

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM S-8**

**REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**OpGen, Inc.**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of incorporation or organization)

**06-1614015**

(I.R.S. Employer Identification No.)

**9717 Key West Ave, Suite 100**

**Rockville, MD 20850**

(Address of Principal Executive Offices)

**20850**

(Zip Code)

**OPGEN, INC. 2015 EQUITY INCENTIVE PLAN, AS AMENDED AND RESTATED  
OPGEN, INC. 2020 STOCK OPTIONS PLAN**

(Full title of the plan)

**Timothy C. Dec**

**Chief Financial Officer**

**9717 Key West Ave, Suite 100**

**Rockville, MD 20850**

(Name and address of agent for service)

**(240) 813-1260**

(Telephone number, including area code, of agent for service)

with a copy to:

**Peter Jaslow, Esquire**

**Ballard Spahr LLP**

**1735 Market Street**

**51st Floor**

**Philadelphia, Pennsylvania 19103**

**215-665-8500**

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Non-accelerated filer

Accelerated filer

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided to Section 7(a)(2)(B) of the Securities Act.

---

## CALCULATION OF REGISTRATION FEE

Name of Plan	Title of Securities to be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price (2)	Proposed Maximum Aggregate Offering Price (2)	Amount of Registration Fee
OpGen, Inc. 2015 Equity Incentive Plan, As Amended	Common Stock, \$0.01 par value	1,003,421	\$ 2.145	\$ 2,152,338.05	\$ 234.82
OpGen, Inc. 2020 Stock Options Plan	Common Stock, \$0.01 par value	1,300,000	\$ 2.145	\$ 2,788,500.00	\$ 304.23
<b>Total Registration Fee</b>				<b>\$ 4,940,838.05</b>	<b>\$ 539.05</b>

- (1) Pursuant to Rule 416(a) promulgated under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement also covers an indeterminate number of additional shares of Common Stock issuable under the equity plan described below in the event the number of outstanding shares of the Registrant is increased by reason of any stock dividend, stock split, recapitalization, merger, consolidation or reorganization or similar transaction.
- (2) Estimated solely for the purpose of calculating the registration fee. In accordance with Rule 457(h) promulgated under the Securities Act, the price shown is based upon the average of the high and low prices reported for the Common Stock on the Nasdaq Capital Market on June 1, 2021.
-

## PART I

### INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

The document or documents containing the information specified in Part I are not required to be filed with the Securities and Exchange Commission (the "Commission") as part of this Registration Statement on Form S-8 (the "Registration Statement").

## PART II

### INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

#### ITEM 3. INCORPORATION OF DOCUMENTS BY REFERENCE.

The following documents, filed or to be filed with the Commission pursuant to the Securities Exchange Act of 1934, as amended (the "Exchange Act"), are incorporated herein by reference:

- The Registrant's [Annual Report on Form 10-K](#) for the year ended December 31, 2020, filed with the Commission on March 29, 2021;
- The Registrant's [Quarterly Report on Form 10-Q](#) for the quarter ended March 31, 2021, filed with the SEC on May 14, 2021;
- The Registrant's Current Reports on Form 8-K, filed with the Commission on [February 10, 2021 \(Items 1.01, 3.02, 8.01 and 9.01\)](#), [March 8, 2021 \(Items 5.02 and 8.01\)](#) and [March 9, 2021 \(Items 1.01, 3.02 and 9.01\)](#); and
- The description of the Registrant's common stock contained in the Registrant's [Registration Statement on Form 8-A \(File No. 001-37367\)](#) filed with the Commission on April 30, 2015, pursuant to Section 12(b) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including any amendment or report filed for the purpose of updating such description.

In addition, all reports and other documents subsequently filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference herein and to be a part hereof from the date of filing of such document. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference herein modifies or supersedes such statement. The statements required to be so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

#### ITEM 4. DESCRIPTION OF SECURITIES.

Not applicable.

#### ITEM 5. INTERESTS OF NAMED EXPERTS AND COUNSEL.

None.

#### ITEM 6. INDEMNIFICATION OF DIRECTORS AND OFFICERS.

Section 145 of the Delaware General Corporation Law, or the DGCL, authorizes a corporation to indemnify its directors and officers against liabilities arising out of actions, suits and proceedings to which they are made or threatened to be made a party by reason of the fact that they have served or are currently serving as a director or officer to a corporation. The indemnity may cover expenses (including attorneys' fees) judgments, fines and amounts paid in settlement actually and reasonably incurred by the director or officer in connection with any such action, suit or proceeding. Section 145 permits corporations to pay expenses (including attorneys' fees) incurred by directors and officers in advance of the final disposition of such action, suit or proceeding. In addition, Section 145 provides that a corporation has the power to purchase and maintain insurance on behalf of its directors and officers against any liability asserted against them and incurred by them in their capacity as a director or officer, or arising out of their status as such, whether or not the corporation would have the power to indemnify the director or officer against such liability under Section 145.

---

We have adopted provisions in our certificate of incorporation and bylaws that limit or eliminate the personal liability of our directors to the fullest extent permitted by the DGCL, as it now exists or may in the future be amended. Consequently, a director will not be personally liable to us or our stockholders for monetary damages or breach of fiduciary duty as a director, except for liability for:

- any breach of the director's duty of loyalty to us or our stockholders;
- any act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- any unlawful payments related to dividends or unlawful stock purchases, redemptions or other distributions; or
- any transaction from which the director derived an improper personal benefit.

These limitations of liability do not alter director liability under the federal securities laws and do not affect the availability of equitable remedies such as an injunction or rescission.

In addition, our bylaws provide that:

- we will indemnify our directors, officers and, in the discretion of our board of directors, certain employees to the fullest extent permitted by the DGCL, as it now exists or may in the future be amended; and
- we will advance reasonable expenses, including attorneys' fees, to our directors and, in the discretion of our board of directors, to our officers and certain employees, in connection with legal proceedings relating to their service for or on behalf of us, subject to limited exceptions.

We have entered into indemnification agreements with each of our directors and executive officers. These agreements provide that we will indemnify each of our directors, such executive officers and, at times, their affiliates to the fullest extent permitted by Delaware law. We will advance expenses, including attorneys' fees (but excluding judgments, fines and settlement amounts), to each indemnified director, executive officer or affiliate in connection with any proceeding in which indemnification is available and we will indemnify our directors and officers for any action or proceeding arising out of that person's services as a director or officer brought on behalf of us and/or in furtherance of our rights. Additionally, each of our directors may have certain rights to indemnification, advancement of expenses and/or insurance provided by their affiliates, which indemnification relates to and might apply to the same proceedings arising out of such director's services as a director referenced herein. Nonetheless, we have agreed in the indemnification agreements that our obligations to those same directors are primary and any obligation of the affiliates of those directors to advance expenses or to provide indemnification for the expenses or liabilities incurred by those directors are secondary.

We also maintain general liability insurance which covers certain liabilities of our directors and officers arising out of claims based on acts or omissions in their capacities as directors or officers, including liabilities under the Securities Act.

**ITEM 7. EXEMPTIONS FROM REGISTRATION CLAIMED.**

Not applicable.

## ITEM 8. EXHIBITS.

The Exhibits accompanying this Registration Statement are listed on the accompanying Exhibit Index.

## ITEM 9. UNDERTAKINGS.

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective Registration Statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement; provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act, that are incorporated by reference in this Registration Statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

## INDEX TO EXHIBITS TO REGISTRATION STATEMENT ON FORM S-8

<b>Exhibit Number</b>	<b>Description</b>
3.1	<a href="#"><u>Certificate of Amendment to the Amended and Restated Certificate of Incorporation of OpGen, Inc., filed with the Secretary of the State of Delaware on August 28, 2019 (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K filed on August 28, 2019).</u></a>
3.2	<a href="#"><u>Amended and Restated Bylaws of the Registrant (incorporated by reference to Exhibit 3.2 to the Registrant's Form S-1, File No. 333-202478, filed on March 3, 2015).</u></a>
3.3	<a href="#"><u>Amendment to the Amended and Restated Bylaws of OpGen, Inc., dated August 5, 2020 (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K filed on August 11, 2020).</u></a>
4.1	<a href="#"><u>Form of Common Stock Certificate of Registrant (incorporated by reference to Exhibit 4.1 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2019, filed on March 24, 2020).</u></a>
5.1 *	<a href="#"><u>Opinion of Ballard Spahr LLP.</u></a>
10.1	<a href="#"><u>2015 Equity Incentive Plan, as amended and restated on March 29, 2018 (incorporated by reference to Exhibit 10.4 to the Registrant's Annual Report on Form 10-K for the year ended December 31, 2017, filed on March 29, 2018).</u></a>
10.2	<a href="#"><u>2020 Stock Options Plan, dated September 30, 2020 (incorporated by reference to Exhibit 10.3 to the Registrant's Quarterly Report on Form 10-Q filed on November 16, 2020).</u></a>
10.3	<a href="#"><u>Form of Director Grant to the 2020 Stock Options Plan (incorporated by reference to Exhibit 10.4 to the Registrant's Quarterly Report on Form 10-Q filed on November 16, 2020).</u></a>
10.4	<a href="#"><u>Form of Employee Grant to the 2020 Stock Options Plan (incorporated by reference to Exhibit 10.5 to the Registrant's Quarterly Report on Form 10-Q filed on November 16, 2020).</u></a>
23.1 *	<a href="#"><u>Consent of CohnReznick LLP.</u></a>
23.3 *	<a href="#"><u>Consent of Ballard Spahr LLP (contained in Exhibit 5.1).</u></a>
24.1	Power of Attorney (see signatures page to this Registration Statement).

\* Filed herewith.

## SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Rockville, State of Maryland on June 4, 2021.

### OPGEN, INC.

By: /s/ Timothy C. Dec  
Name: Timothy C. Dec  
Title: Chief Financial Officer  
(principal financial officer)

## POWER OF ATTORNEY

KNOW ALL BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Oliver Schacht, Ph.D and Timothy C. Dec and each of them, as the true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for such person and in such person's name, place and stead, in any and all capacities, to sign any or all amendments to this Registration Statement, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorney-in-fact and agent full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his substitute or substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Oliver Schacht</u> Oliver Schacht, Ph.D	Chief Executive Officer and Director (principal executive officer)	June 4, 2021
<u>/s/ Timothy C. Dec</u> Timothy C. Dec	Chief Financial Officer (principal financial officer and principal accounting officer)	June 4, 2021
<u>/s/ Mario Crovetto</u> Mario Crovetto	Director	June 4, 2021
<u>/s/ R. Donald Elsey</u> R. Donald Elsey	Director	June 4, 2021
<u>/s/ Prabha Fernandes</u> Prabha Fernandes	Director	June 4, 2021
<u>/s/ Evan Jones</u> Evan Jones	Director	June 4, 2021
<u>/s/ William Rhodes</u> William Rhodes	Director	June 4, 2021







-----  
1735 Market Street, 51st Floor  
Philadelphia, PA 19103-7599  
TEL 215.665.8500  
FAX 215.864.8999  
www.ballardspahr.com

June 4, 2021

OpGen, Inc.  
9717 Key West Avenue, Suite 100  
Rockville, Maryland 20850

RE: OpGen, Inc. – Form S-8 Registration Statement

Ladies and Gentlemen:

We have acted as counsel to OpGen, Inc., a Delaware corporation (the “Company”), in connection with the preparation of a Registration Statement on Form S-8 (the “Registration Statement”), relating to the registration under the Securities Act of 1933, as amended (the “Securities Act”), and the issuance of up to (collectively, the “Shares”): (i) 1,003,421 shares of the Company’s common stock, par value \$0.01 per share (the “Common Stock”), pursuant to the Company’s 2015 Equity Incentive Plan, as amended and restated (the “2015 Plan”); and (ii) 1,300,000 shares of the Company’s Common Stock pursuant to the Company’s 2020 Stock Options Plan (the “2020 Plan,” and together with the 2015 Plan, the “Plans”).

In rendering this opinion, we have reviewed the Plans and such certificates, documents, corporate records and other instruments and matters of law as in our judgment are necessary or appropriate to enable us to render the opinion expressed below. In rendering this opinion, we are assuming the authenticity of all instruments presented to us as originals, the conformity with the originals of all instruments presented to us as copies and the genuineness of all signatures.

The opinion expressed below is based on the assumption that the Registration Statement has been filed by the Company with the U.S. Securities and Exchange Commission and will have become effective before any of the Shares are issued, and that persons acquiring the Shares will do so strictly in accordance with the terms of the Plans and will receive a prospectus containing all the information required by Part I of the Registration Statement before acquiring such Shares. The opinion is also based on the assumption that the Shares will continue to be duly and validly authorized on the dates that the Shares are issued to participants pursuant to the terms of the Plans and, upon the issuance of any of the Shares, the total number of shares of common stock of the Company issued and outstanding, after giving effect to such issuance of such Shares, will not exceed the total number of shares of common stock that the Company is then authorized to issue under its Amended and Restated Certificate of Incorporation.

Based on the foregoing, we are of the opinion that the Shares, when issued pursuant to the applicable Plan in accordance with the terms and conditions thereof (including, where applicable, the payment of any exercise price, the satisfaction of any vesting or forfeiture restrictions and the achievement of applicable performance goals), will be legally issued, fully paid and non-assessable.

---

Our opinion is limited to the laws of the State of Delaware and the federal laws of the United States of America, and we express no opinion with respect to the laws of any other jurisdiction.

This opinion is limited to the matters expressly stated herein. No implied opinion may be inferred to extend this opinion beyond the matters expressly stated herein. No opinion is expressed herein with respect to the qualification of the Shares under the securities or blue sky laws of any state or any foreign jurisdiction. This opinion is given as of its date. We do not undertake to advise you or anyone else of any changes in the opinions expressed herein resulting from changes in law, changes in facts or any other matters that hereafter might occur or be brought to our attention.

We hereby consent to the filing of this opinion with the Commission as an exhibit to the Registration Statement in accordance with the requirements of Item 601(b)(5) of Regulation S-K promulgated under the Securities Act. In giving this consent, we do not admit that we are within the category of persons whose consent is required by Section 7 of the Securities Act and the rules and regulations promulgated thereunder.

Sincerely yours,

/s/ Ballard Spahr LLP

**Consent of Independent Registered Public Accounting Firm**

We consent to the incorporation by reference in this Registration Statement (No. 333-\_\_\_\_\_) on Form S-8 of OpGen, Inc. of our report dated March 29, 2021, which includes an explanatory paragraph related to OpGen, Inc.'s ability to continue as a going concern, on our audits of the consolidated financial statements of OpGen, Inc. as of December 31, 2020 and 2019 and for the years then ended, which report is included in OpGen, Inc.'s Annual Report on Form 10-K for the year ended December 31, 2020.

/s/ CohnReznick LLP

Tysons, Virginia  
June 4, 2021