ZOGENIX, INC. Form POS EX November 23, 2010

As filed with the Securities and Exchange Commission on November 23, 2010

Registration No. 333-169210

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 1 TO FORM S-1 REGISTRATION STATEMENT

Under

The Securities Act of 1933

ZOGENIX, INC.

 $(Exact\ name\ of\ registrant\ as\ specified\ in\ its\ charter)$

Delaware 2834 20-5300780

(State or other jurisdiction of incorporation or organization)

(Primary Standard Industrial Classification Code Number) 12671 High Bluff Drive, Suite 200 (I.R.S. Employer Identification Number)

San Diego, CA 92130

(858) 259-1165

(Address, including zip code, and telephone number, including area code, of registrant s principal executive offices)

Roger L. Hawley

Chief Executive Officer

Zogenix, Inc.

12671 High Bluff Drive, Suite 200

San Diego, CA 92130

(858) 259-1165

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

Scott N. Wolfe, Esq. Cheston J. Larson, Esq.

Matthew T. Bush, Esq. Latham & Watkins LLP 12636 High Bluff Drive, Suite 400 San Diego, CA 92130 (858) 523-5400 Eric S. Haueter, Esq. Heather A. Childress, Esq. Sidley Austin LLP 555 California Street, 20th Floor San Francisco, CA 94104 (415) 772-1200

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. x 333-169210

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

Large accelerated filer

Non-accelerated filer

x (Do not check if a smaller reporting company)

Accelerated filer

Smaller reporting company

This Registration Statement shall become effective upon filing with the Securities and Exchange Commission in accordance with Rule 462(d) under the Securities Act.

EXPLANATORY NOTE

This Post-Effective Amendment No. 1 (the Amendment) relates to the Registrant s Registration Statement on Form S-1, as amended (File No. 333-169210), initially filed by the Registrant on September 3, 2010 and declared effective by the Securities and Exchange Commission on November 22, 2010. The Registrant is filing this Amendment for the sole purpose of replacing Exhibit 5.1 to the Registration Statement. This Amendment does not modify any provision of Part I or Part II of the Registration Statement other than Item 16(a) of Part II as set forth below.

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 16. Exhibits and Financial Statement Schedules

(a) Exhibits

Exhibit

Number Description

5.1 Opinion of Latham & Watkins LLP

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, Zogenix, Inc. has duly caused this Post-Effective Amendment No. 1 to Registration Statement on Form S-1 to be signed on its behalf by the undersigned, thereunto duly authorized, in San Diego, California on the 23rd day of November, 2010.

ZOGENIX, INC.

By:

/s/ Roger L. Hawley

Roger L. Hawley Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, as amended, this Post-Effective Amendment No. 1 to Registration Statement on Form S-1 has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
/s/ Roger L. Hawley	Chief Executive Officer and Director (Principal Executive Officer)	November 23, 2010
Roger L. Hawley		
/s/ Ann D. Rhoads	Executive Vice President, Chief Financial Officer, Treasurer and Secretary	November 23, 2010
Ann D. Rhoads	(Principal Financial and Accounting Officer)	
*	Chairman of the Board	November 23, 2010
Cam L. Garner		
*	Director	November 23, 2010
James C. Blair, Ph.D.		
*	Director	November 23, 2010
Louis C. Bock		
*	President, Chief Operating Officer and Director	November 23, 2010
Stephen J. Farr, Ph.D.		
*	Director	November 23, 2010
Ken Haas		
*	Director	November 23, 2010
Erle T. Mast		
*	Director	November 23, 2010
1 3 6 3 6 1 1 1 1 1 1 1 1 1 1 1		

Director November 23, 2010

Kurt C. Wheeler

/s/ ROGER L. HAWLEY
Roger L. Hawley
Attorney-in-Fact * By:

EXHIBIT INDEX

Exhibit
Number

Description

5.1 Opinion of Latham & Watkins LLP