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

Form 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of June 2015

Commission File Number 000-30902

COMPUGEN LTD. (Translation of registrant's name into English)

72 Pinchas Rosen Street Tel-Aviv 6951294, Israel (Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F x Form 40-F o

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): o

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): o

Compugen Ltd.

On or about June 16, 2015, Compugen Ltd. (the "Company") first distributed copies of its proxy statement to its shareholders and will mail to its shareholders of record a proxy statement for an Annual General Meeting of Shareholders to be held on July 22, 2015 in Israel.

A copy of the proxy statement and proxy card are attached to this Form 6-K as Exhibit 99.1.

The information contained in this Report is hereby incorporated by reference into the Company's Registration Statements on Form F-3, File Nos. 333-185910 and 333-198368.

Exhibits

Exhibit Number Description of Exhibit Notice of 2015 Annual General Meeting of Shareholders, Proxy Statement 99.1 and Proxy Card.

Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

By:

COMPUGEN LTD.

Date: June 16, 2015

/s/ Donna Gershowitz Donna Gershowitz General Counsel