

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

**FORM 12b-25**

**NOTIFICATION OF LATE FILING**

(Check One): Form 10-K  Form 20-F  Form 11-K  Form 10-Q  Form 10-D  Form N-SAR  
 Form N-CSR

For Period Ended: June 30, 2007

- Transition Report on Form 10-K  
 Transition Report on Form 20-F  
 Transition Report on Form 11-K  
 Transition Report on Form 10-Q  
 Transition Report on Form N-SAR  
For the Transition Period Ended: \_\_\_\_\_

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Nothing in this Form shall be construed to imply that the Commission has verified any information contained herein.

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If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

**PART I - REGISTRANT INFORMATION**

Full Name of Registrant **Protalix BioTherapeutics, Inc.**

Former name if applicable

Address of Principal Executive Office (Street and Number) **2 Snunit Street, Science Park, PO Box 455**

City, State and Zip Code: **Carmiel, Israel 20100**

**PART II - RULES 12B-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| x | <p>(a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;</p> <p>(b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q or subject distribution report on Form 10-D, or portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and</p> <p>(c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.</p> |
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**PART III - NARRATIVE**

State below in reasonable detail the reasons why Forms 10-K, 20-F, 11-K, 10-Q, 10-D, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

**Kesselman and Kesselman, our independent public accountant, has not completed the review required by Regulation S-X, Rule 10-01(d).**

**PART IV - OTHER INFORMATION**

- (1) Name and telephone number of person to contact in regard to this notification

**Yossi Maimon**

(Name)

**(972-4)**

(Area Code)

**988-9488**

(Telephone Number)

- (2) Have all other periodic reports required under Section 13 of 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If the answer is no, identify report(s).  Yes  No
- (3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?  Yes  No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

**PROTALIX BIOTHERAPEUTICS, INC.**

(Name of Registrant as specified in Charter)

has caused this notification to be signed on its behalf by the undersigned thereunto duly authorized.

Date: August 14, 2007

By:

/s/ David Aviezer

Name: David Aviezer, Ph. D.

Title: President and Chief Executive Officer