

Protalix BioTherapeutics, Inc.  
Form 8-K  
August 27, 2007

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT  
Pursuant to Section 13 or 15(d)  
of the Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): **August 27, 2007**

**Protalix BioTherapeutics, Inc.**

(Exact name of registrant as specified in its charter)

**Florida**

(State or other jurisdiction of incorporation)

**000-27836**

(Commission File Number)

**65-0643773**

(IRS Employer Identification No.)

**2 Snunit Street  
Science Park  
POB 455  
Carmiel, Israel**

(Address of principal executive offices)

**20100**

(Zip Code)

**+972-4-988-9488**

(Registrant's telephone number, including area code)

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

- o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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**Item 8.01. Other Events**

On August 27, 2007, Protalix BioTherapeutics, Inc. (the Company ) issued a press release announcing that it had treated the first patient in its phase III clinical trial of the Company s lead product candidate, prGCD, a proprietary plant cell expressed recombinant form of human Glucocerebrosidase (GCD) for the treatment of Gaucher disease. The press release is attached hereto as Exhibit 99.1.

**Item 9.01. Financial Statements and Exhibits**

**(d) Exhibits**

99.1 Press release dated August 27, 2007.

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**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 hereunto duly authorized.

**PROTALIX BIOTHERAPEUTICS, INC.**

Date: August 27, 2007

By: /s/ David Aviezer  
Name: David Aviezer, Ph.D.  
Title: President and Chief Executive Officer

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