

Protalix BioTherapeutics, Inc.
Form 4
October 19, 2009

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Almon Einat Brill

(Last) (First) (Middle)

C/O PROTALIX
BIOTHERAPEUTICS, INC., 2
SNUNIT STREET, SCIENCE
PARK, POB 455

(Street)

CARMIEL, L3 20100

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Protalix BioTherapeutics, Inc. [PLX]

3. Date of Earliest Transaction
(Month/Day/Year)
10/15/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director
 Officer (give title below) _____ 10% Owner
_____ Other (specify below)
VP, Product Development

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
____ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | Code | V | Amount or Price (A) or (D) | | |
| Common Stock | 10/15/2009 | | S | | 28,000 (1) D \$ 9.39 0 (2) | I | By trust (3) |
| Common Stock | 10/16/2009 | | S | | 23,680 (1) D \$ 9.39 0 (2) | I | By trust (3) |
| Common Stock | 10/19/2009 | | S | | 38,320 (1) D \$ 9.43 0 (2) | I | By trust (3) |
| Common Stock | 10/19/2009 | | M | | \$ 93,954 A 0.399 0 (2) | I | By trust (3) |
| | 10/19/2009 | | F | | 3,954 D \$ 9.48 0 (2) | I | By trust (3) |

Common
Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474
(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Stock Options (Right to Buy) | \$ 0.399 | 10/19/2009 | | M | 93,954 | ⁽⁴⁾ 05/23/2016 | Common Stock | 93,954 |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Almon Einat Brill
C/O PROTALIX BIOTHERAPEUTICS, INC.
2 SNUNIT STREET, SCIENCE PARK, POB 455
CARMIEL, L3 20100

VP, Product Development

Signatures

/s/ Yossi Maimon 10/19/2009

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.

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- The reporting person acquired 90,000 shares of common stock upon the exercise of 93,954 outstanding options on a cash-less exercise
- (2) basis, all of which shares were sold by the reporting person. The Company retained 3,954 shares of common stock in connection with the cashless exercise.
 - (3) To qualify for certain tax benefits under Section 102 of the Israeli Tax Ordinance, securities issued to an employee upon the exercise of stock options must be registered in the name of a trustee.
 - (4) All these options are fully vested.
- Does not include options to purchase 50,000 shares of common stock at an exercise price equal to \$2.65 per share that expire on February 25, 2019, does not include options to purchase 232,108 shares of common stock at an exercise price equal to \$0.972 per share that expire on August 13, 2016 and does not include options to purchase 311,272 shares of common stock at an exercise price equal to \$5.00 per share that expire on February 7, 2018.
- (5)

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.