Maimon Yossi Form 4 July 08, 2009

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

Check this box

if no longer subject to

Section 16. Form 4 or Form 5 obligations may continue. See Instruction 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(b).

Stock

Stock

Stock

Common

Common

07/07/2009

07/07/2009

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Maimon Yossi Issuer Symbol Protalix BioTherapeutics, Inc. [PLX] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O PROTALIX 07/06/2009 below) below) BIOTHERAPEUTICS, INC., 2 VP, Chief Financial Officer SNUNIT STREET, SCIENCE PARK, POB 455 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting **CARMIEL**, L3 20100 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 4. Securities Acquired 5. Amount of 7. Nature of Transaction(A) or Disposed of (D) Indirect Security (Month/Day/Year) Execution Date, if Securities Ownership (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Direct Beneficial (Month/Day/Year) (Instr. 8) Owned (D) or Ownership Following Indirect (I) (Instr. 4) Reported (Instr. 4) (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 40,000 07/06/2009 S D \$ 5.13 0 (2) I By trust (3) Stock (1) Common 10,000 D 07/07/2009 S \$ 5.01 0 (2) Ι By trust (3)

M

F

62,217

12,217 D

\$ 4.95 0 (2)

By trust (3)

By trust (3)

Ι

Ι

OMB APPROVAL

3235-0287

January 31,

2005

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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. Transactic Code (Instr. 8)	5. Number of orDerivative 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Options (Right to Buy)	\$ 0.972	07/07/2009		M	62,217	<u>(4)</u>	09/19/2016	Common Stock	62,217

Reporting Owners

Relationships Reporting Owner Name / Address

> Other Director 10% Owner Officer

Maimon Yossi C/O PROTALIX BIOTHERAPEUTICS, INC. 2 SNUNIT STREET, SCIENCE PARK, POB 455 CARMIEL, L3 20100

VP, Chief Financial Officer

Signatures

/s/ Yossi 07/08/2009 Maimon

**Signature of Date

Reporting Person

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.
- The reporting person acquired 50,000 shares of common stock upon the exercise of 62,217 outstanding options on a cash-less exercise (2) basis, all of which shares were sold by the reporting person. The Company retained 12,217 shares of common stock in connection with the cashless exercise.

(3)

Reporting Owners 2

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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) 25% of the options vested on September 19, 2007. The remaining 75% vest in 12 equal quarterly installments commencing on September 19, 2007.
- 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 (5) 25, 2019 and options to purchase 175,000 shares of common stock at an exercise price equal to \$5.00 per share that expire on February 7, 2018.

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.