

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

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

1. Name and Address of Reporting Person * Almon Einat Brill	2. Issuer Name and Ticker or Trading Symbol Protalix BioTherapeutics, Inc. [PLX]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title below) Other (specify below) VP, Product Development
(Last) (First) (Middle) C/O PROTALIX BIOTHERAPEUTICS, INC., 2 SNUNIT STREET, SCIENCE PARK, POB 455	3. Date of Earliest Transaction (Month/Day/Year) 09/03/2010	
(Street) CARMIEL L3 20100	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person
(City) (State) (Zip) CARMIEL L3 20100		

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 Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/03/2010		S		27,500 ⁽¹⁾	D	\$ 8	0 ⁽²⁾	I	By trust ⁽³⁾
Common Stock	09/07/2010		S		22,500 ⁽¹⁾	D	\$ 8.16	0 ⁽²⁾	I	By trust ⁽³⁾
Common Stock	09/07/2010		M		4,740	A	\$ 0.399	0 ⁽²⁾	I	By trust ⁽³⁾
Common Stock	09/07/2010		M		45,260	A	\$ 0.972	0 ⁽²⁾	I	By trust ⁽³⁾

**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. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Options (Right to Buy)	\$ 0.399	09/07/2010		M			4,740	(4)	05/23/2016	Common Stock	4,740	\$ 0	0 ⁽⁵⁾	D	
Stock Options (Right to Buy)	\$ 0.972	09/07/2010		M			45,260	(4)	08/13/2016	Common Stock	45,260	\$ 0	186,848 ⁽⁵⁾	D	

Explanation of Responses:

- 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 in connection with the exercise of outstanding options, all of which shares were sold by the reporting person.
- 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.
- All these options are fully vested.
- Does not include (i) 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, (ii) options to purchase 130,000 shares of common stock at an exercise price equal to \$6.90 per share that expire on February 25, 2020 and (iii) 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.

/s/ Yossi Maimon, POA 09/08/2010

** Signature of Reporting Date
Person

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

* 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).

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

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