

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 * Akirov Alfred (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]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) 08/14/2013	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

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	08/14/2013		S		100,000	D	\$ 5.05	4,927,713	I	By Corporation (1)
Common Stock	08/14/2013		S		5,000	D	\$ 5.07	4,922,713	I	By Corporation (1)
Common Stock	08/14/2013		S		5,000	D	\$ 5.08	4,917,713	I	By Corporation (1)
Common Stock	08/15/2013		S		2,330	D	\$ 5.07	4,915,383	I	By Corporation (1)

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					

Explanation of Responses:

1. All sales reported on this Form 4 were made by Alrov (Israel) Ltd. ("Alrov Israel") and the column in Table 1 disclosing the amount of securities beneficially owned following the reported transactions includes 686,046 shares of the Issuer's common stock held by Technorov Holdings (1993) Ltd. ("Technorov"). Alrov Israel owns 100% of Al-Rov Technologies Holdings LTD, the holder of 80% of Technorov. The reporting person is the Chairman of Alrov Israel and the Chief Executive Officer of Technorov, and has the power to control their respective investment decisions. Alrov Israel is an Israeli publicly-traded company that is listed on the Tel Aviv Stock Exchange. The reporting person disclaims beneficial ownership of the securities of the Issuer held by Alrov Israel and Technorov, except to the extent of his proportional pecuniary interest therein.

/s/ Yossi Maimon, POA 08/16/2013

** Signature of Reporting Person Date

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.