

ENZO BIOCHEM INC  
Form 3  
September 17, 2012

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Perlysky Dov		(Month/Day/Year)	ENZO BIOCHEM INC [ENZ]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
		09/06/2012		
C/O ENZO BIOCHEM, INC., Â 527 MADISON AVENUE			(Check all applicable)	
(Street)			<input checked="" type="checkbox"/> Director	<input type="checkbox"/> 10% Owner
			<input type="checkbox"/> Officer	<input type="checkbox"/> Other
			(give title below) (specify below)	
			6. Individual or Joint/Group Filing(Check Applicable Line)	
			<input checked="" type="checkbox"/> Form filed by One Reporting Person	
			<input type="checkbox"/> Form filed by More than One Reporting Person	
NEW YORK, Â NY Â 10022				
(City)	(State)	(Zip)		

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	19,964	D	Â
Common Stock	30,000 <sup>(1)</sup>	I	By wife
Common Stock	525,826 <sup>(2)</sup>	I	By GRAT
Common Stock	45,000 <sup>(3)</sup>	I	By Sky Ventures LLC

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

SEC 1473 (7-02)

**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 control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date <small>(Month/Day/Year)</small>	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date  Title	Amount or Number of Shares		

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Perlysky Dov C/O ENZO BIOCHEM, INC. 527 MADISON AVENUE NEW YORK, NY 10022	X	^	^	^

## Signatures

/s/ Dov Perlysky                      09/17/2012

\*\*Signature of  
Reporting Person                      Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(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) Represents shares of common stock of the Issuer owned by the Laya Perlysky IRA. Laya Perlysky is Dov Perlysky's spouse. Dov Perlysky disclaims beneficial ownership of the shares owned by the Laya Perlysky IRA.
- (2) Represents shares of common stock of the Issuer owned by RSD 2010 Enzo GRAT, whose trustee is Dov Perlysky.
- (3) Represents shares of common stock of the Issuer owned by Sky Ventures LLC, whose manager is Dov Perlysky.

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.