

KACIAN DANIEL L  
Form 4  
August 18, 2010

**FORM 4**

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

OMB APPROVAL

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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 \*  
KACIAN DANIEL L

(Last) (First) (Middle)

GEN-PROBE  
INCORPORATED, 10210  
GENETIC CENTER DRIVE

(Street)

SAN DIEGO, CA 92121

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
GEN PROBE INC [GPRO]

3. Date of Earliest Transaction  
(Month/Day/Year)  
08/16/2010

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_ 10% Owner  
\_X\_ Officer (give title below) \_\_\_ Other (specify below)  
Exec. VP, Chief Scientist

6. Individual or Joint/Group Filing(Check Applicable Line)  
\_X\_ 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 Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount		
Common Stock	08/16/2010		F <sup>(1)</sup>		3,266	D	\$ 47.43 76,151 <sup>(2)</sup> D
Common Stock	08/17/2010		F <sup>(1)</sup>		199	D	\$ 48.56 75,952 D

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

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(9-02)

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

Table with 10 columns: 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 Owned Beneficially (Instr. 5), 10. Derivative Security Owned Beneficially (Instr. 5). Includes sub-headers for Date Exercisable, Expiration Date, Title, and Amount or Number of Shares.

Reporting Owners

Table with 2 columns: Reporting Owner Name / Address, Relationships. Includes KACIAN DANIEL L, GEN-PROBE INCORPORATED, 10210 GENETIC CENTER DRIVE, SAN DIEGO, CA 92121 and relationships: Director, 10% Owner, Officer, Other, Exec. VP, Chief Scientist.

Signatures

/s/ R. William Bowen, Attorney-in-Fact, 08/18/2010. \*\*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) Withholding of stock to satisfy tax withholding obligation upon vesting of previously granted restricted stock award.
(2) The amount reported includes an aggregate of 581 shares of common stock acquired under the Gen-Probe Incorporated Employee Stock Purchase Plan since the reporting person last filed a Form 4 with the Securities and Exchange Commission.

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.