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## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| Check this box if no longer subject to |
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|  |
| 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 or Section 30(h) of the Investment Company Act of 1940

# OMB APPROVAL OMB Number: 3235-0287 Estimated average burden

| hours per response:      | 0.5 |
|--------------------------|-----|
| Estimated average burden |     |

| 1. Name and Address of Reporting Person*<br>PAUL STEVEN M |                           |          | 2. Issuer Name <b>and</b> Ticker or Trading Symbol<br>Sage Therapeutics, Inc. [SAGE] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)      |   |                          |  |  |  |
|---|---------------------------|----------|--|--|---|--------------------------|--|--|--|
| PROL SIEVEN M   |                           |          |  | X  | Director  | 10% Owner                |  |  |  |
|   | (First)<br>RAPEUTICS, INC | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year)<br>08/03/2015                       |  | Officer (give title below)                                      | Other (specify<br>below) |  |  |  |
| 215 FIRST STREET  |                           |          | 4. If Amendment, Date of Original Filed (Month/Day/Year)                             | <ol> <li>Individual or Joint/Group Filing (Check Applic<br/>Line)</li> </ol> |   |                          |  |  |  |
| (Street)<br>CAMBRIDGE                                     | МА                        | 02142    |  | X  | Form filed by One Report<br>Form filed by More than (<br>Person | 0                        |  |  |  |
| (City)  | (State)                   | (Zip)    |  |  |   |                          |  |  |  |

#### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | Transaction<br>Code (Instr. |   | 4. Securities<br>Disposed Of |               |                               | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following<br>Reported | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|---------------------------------|--|---|-----------------------------|---|------------------------------|---------------|-------------------------------|---|---|---|
|                                 |  |   | Code                        | v | Amount                       | (A) or<br>(D) | Price                         | Transaction(s)<br>(Instr. 3 and 4)  |   | (1150.4)  |
| Common Stock                    | 08/03/2015                                 |   | <b>S</b> <sup>(1)</sup>     |   | 4,822                        | D             | <b>\$67.98</b> <sup>(2)</sup> | 718,828   | D   |   |
| Common Stock                    | 08/03/2015                                 |   | <b>S</b> <sup>(1)</sup>     |   | 9,158                        | D             | \$67.05 <sup>(3)</sup>        | 709,670   | D   |   |
| Common Stock                    | 08/03/2015                                 |   | <b>S</b> <sup>(1)</sup>     |   | 6,020                        | D             | \$66.42(4)                    | 703,650   | D   |   |

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of<br>Derivativ<br>Security<br>(Instr. 3) | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 4.<br>Transa<br>Code (<br>8) |   | of E |     | 6. Date Exerc<br>Expiration Da<br>(Month/Day/Y | 7. Title and<br>Amount of<br>Securities<br>Underlying<br>Derivative<br>Security (Instr. 3<br>and 4) |       | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|--|--|---|------------------------------|---|------|-----|--|---|-------|---|--|--|--|--|
|  |  |   | Code                         | v | (A)  | (D) | Date<br>Exercisable                            | Expiration<br>Date  | Title | Amount<br>or<br>Number<br>of<br>Shares              |  |  |  |  |

Explanation of Responses:

1. The sales reported on this Form 4 were effected pursuant to a trading plan adopted pursuant to Rule 10b5-1 under the Securities Exchange Act of 1934, as amended.

2. This transaction was executed in multiple trades at prices ranging from \$67.60 USD to \$68.595 USD. The price reported above reflects the weighted average sale price.

3. This transaction was executed in multiple trades at prices ranging from \$66.62 USD to \$67.59 USD. The price reported above reflects the weighted average sale price.

4. This transaction was executed in multiple trades at prices ranging from \$66.00 USD to \$66.58 USD. The price reported above reflects the weighted average sale price.

**Remarks:** 

/s/ Laurie Burlingame, as

Attorney-in-Fact for Steven M. 08/04/2015

<u>Paul</u>

\*\* Signature of Reporting Person Date

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

 $^{\ast}$  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.