

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(AMENDMENT NO. 2)*

Myriad Genetics, Inc.

(Name of Issuer)

Common Stock

Title of Class of Securities)

62855J104

(CUSIP Number)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1 NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Mark H. Skolnick

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

U.S.A.

5 SOLE VOTING POWER

NUMBER OF

5

161,594

SHARES

BENEFICIALLY

6

6 SHARED VOTING POWER

OWNED BY

399,874

EACH

7

7 SOLE DISPOSITIVE POWER

REPORTING

161,594

PERSON

WITH

8

8 SHARED DISPOSITIVE POWER

399,874

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

561,468

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES
CERTAIN SHARES*

N/A

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

6.0%

12 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

Item 1(a) Name of Issuer

Myriad Genetics, Inc.

Item 1(b) Address of Issuer's Principal Executive Offices

320 Wakara Way
Salt Lake City, Utah 84108

Item 2(a) Name of Person Filing

Mark H. Skolnick

Item 2(b) Address of Principal Business Office or, if none, Residence

390 Wakara Way
Salt Lake City, Utah 84108

Item 2(c) State of Organization/Citizenship

U.S.A.

Item 2(d) Title of Class of Securities

Common Stock

Item 2(e) CUSIP Number

62855J104

Item 3. If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b),

check whether the person filing is a

- (a) Broker or Dealer registered under Section 15 of the Act
- (b) Bank as defined in Section 3(a)(6) of the Act
- (c) Insurance Company as defined in Section 3(a)(19) of the Act

- (d) [] Investment Company registered under Section 8 of the Investment Company Act
- (e) [] Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940
- (f) [] Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see (S)240.13d-1(b)(1)(ii)(F)
- (g) [] Parent Holding Company, in accordance with (S)240.13d-1(b)(1)(ii)(G)
- (h) [] Group, in accordance with (S)240.13d-1(b)(1)(ii)(H)

Item 4. Ownership

- (a) Amount Beneficially Owned: 561,468
- (b) Percent of Class: 6.0%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote: 161,594
 - (ii) shared power to vote or to direct the vote: 399,874
 - (iii) sole power to dispose or to direct the disposition of: 161,594
 - (iv) shared power to dispose or to direct the disposition of: 399,874

Item 5. Ownership of Five Percent or Less of a Class

N/A

Item 6. Ownership of More than Five Percent on Behalf of Another Person

N/A

Item 7. Identification and Classification of the Subsidiary Which Acquired the

Security Being Reported on By the Parent Holding Company

N/A

Item 8. Identification and Classification of Members of the Group

N/A

Item 9. Notice of Dissolution of Group

N/A

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: January 30, 1998

By: /s/ Mark H. Skolnick

Mark H. Skolnick/Executive Vice President
Research

This filing is made voluntarily and should not be construed as an admission that Mark H. Skolnick is subject to reporting requirements under Section 13 of the Securities Exchange Act of 1934.