



US 20070026454A1

(19) **United States**

(12) **Patent Application Publication**

**Rosen et al.**

(10) **Pub. No.: US 2007/0026454 A1**

(43) **Pub. Date: Feb. 1, 2007**

(54) **HUMAN SECRETED PROTEINS**

(76) Inventors: **Craig A. Rosen**, Laytonsville, MD (US); **Steven M. Ruben**, Brookeville, MD (US)

Correspondence Address:

**HUMAN GENOME SCIENCES INC  
INTELLECTUAL PROPERTY DEPT.  
14200 SHADY GROVE ROAD  
ROCKVILLE, MD 20850 (US)**

(21) Appl. No.: **10/472,965**

(22) PCT Filed: **Mar. 26, 2002**

(86) PCT No.: **PCT/US02/09257**

§ 371(c)(1),

(2), (4) Date: **Jun. 30, 2004**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 10/105,299, filed on Mar. 26, 2002, which is a continuation-in-part of application No. 09/950,082, filed on Sep. 12, 2001, which is a continuation-in-part of application No. 60/278,650, filed on Mar. 27, 2001, and which is a continuation-in-part of application No. 09/833,245, filed on Apr. 12, 2001, and which is a continuation-in-part of application No. PCT/US01/11988, filed on Apr. 12, 2001, and which is a continuation-in-part of application No. PCT/US00/06043, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06012, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06058, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06044, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06059, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06042, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06014, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06013, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation of application No. PCT/US00/06049, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation of application No. PCT/US00/06057, filed on Mar. 9, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06824, filed on

Mar. 16, 2000, which is a continuation-in-part of application No. 60/168,664, filed on Dec. 3, 1999.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06765, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06792, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06830, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06782, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06822, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06791, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06828, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06823, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/06781, filed on Mar. 16, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/07505, filed on Mar. 22, 2000.

Said application No. 09/950,082 is a continuation-in-part of application No. PCT/US00/07440, filed on Mar. 22, 2000.

(Continued)

**Publication Classification**

- (51) **Int. Cl.**  
*C12Q 1/68* (2006.01)  
*G01N 33/53* (2006.01)  
*A61K 38/17* (2006.01)
- (52) **U.S. Cl.** ..... **435/7.1**; 514/12; 435/6

(57) **ABSTRACT**

The present invention relates to human secreted polypeptides, and isolated nucleic acid molecules encoding said polypeptides, useful for diagnosing and treating hematopoietic and hematologic diseases, disorders, and/or conditions related thereto. Antibodies that bind these polypeptides are also encompassed by the present invention. Also encompassed by the invention are vectors, host cells, and recombinant and synthetic methods for producing said polynucleotides, polypeptides, and/or antibodies. The invention further encompasses screening methods for identifying agonists and antagonists of polynucleotides and polypeptides of the invention. The present invention further encompasses methods and compositions for inhibiting or enhancing the production and function of the polypeptides of the present invention.