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(71) Applicant (for all designated States except US): **UNIVERSITY OF MEDICINE AND DENTISTRY** [US/US]; 335 George Street, Suite 3200, New Brunswick, NJ (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MA, Jianjie** [US/US]; 30 Shetland Green, Belle Mead, NJ 08502 (US). **WEISLEDER, Noah** [US/US]; 853 Garden Street, Elizabeth, NJ (US). **CAI, Chuanxi** [CN/US]; 305D Crowells Road, Highland Park, New Jersey (US).

(74) Agents: **ZERHUSEN, Bryan.** et al.; Mccarter & English, LLP, 185 Asylum Street, Cityplace 1, Hartford, CT 06103 (US).

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(54) Title: PROTEINS, NUCLEIC ACIDS ENCODING THE SAME AND ASSOCIATED METHODS OF USE

(57) Abstract: Disclosed herein are nucleic acid sequences that encode novel polypeptides. Also disclosed are polypeptides encoded by these nucleic acid sequences, and antibodies, which immunospecifically bind to the polypeptide, as well as derivatives, variants, mutants, or fragments of the aforementioned polypeptide, polynucleotide, or antibody. The invention further discloses therapeutic, diagnostic and research methods for diagnosis, treatment, and prevention of disorders involving any one of these novel human nucleic acids and proteins.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/15815

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A01N 37/18**(2006.01);**A61K 38/00**(2006.01);**C12N 5/00**(2006.01);**5/02**(2006.01);**C07H 21/02**(2006.01);**21/04**(2006.01)

USPC: 536/23.1;435/375;514/2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1; 435/375; 514/2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0236392 A1 (ISOGAI et al) 25 December 2003 (25.12.2003), SEQ 103 and entire document.	1-13,17,33,44 and 45
X,T	US 2007/0020637 A1 (ISOGAI et al) 25 January 2007 (25.01.2007), SEQ 4634 and entire document.	1-13,17,33,44 and 45



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"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

/Valarie Bertoglio/

Telephone No. (571) 272-0532

J. Roberts for