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60/271,840	27 February 2001 (27.02.2001)	US	60/286,096 (CIP)
60/272,405	28 February 2001 (28.02.2001)	US	60/286,096 (CIP)
60/272,414	28 February 2001 (28.02.2001)	US	60/286,096 (CIP)
60/272,404	28 February 2001 (28.02.2001)	US	60/286,096 (CIP)
60/272,410	28 February 2001 (28.02.2001)	US	60/286,096 (CIP)
60/273,300	2 March 2001 (02.03.2001)	US	60/286,096 (CIP)
60/273,048	2 March 2001 (02.03.2001)	US	60/286,096 (CIP)
60/272,787	2 March 2001 (02.03.2001)	US	60/286,096 (CIP)
60/272,922	2 March 2001 (02.03.2001)	US	60/286,096 (CIP)
60/276,401	16 March 2001 (16.03.2001)	US	60/286,096 (CIP)
60/277,324	20 March 2001 (20.03.2001)	US	60/286,096 (CIP)
60/278,660	20 March 2001 (20.03.2001)	US	60/286,096 (CIP)
60/280,234	30 March 2001 (30.03.2001)	US	60/286,096 (CIP)
60/280,039	30 March 2001 (30.03.2001)	US	60/286,096 (CIP)
60/280,818	2 April 2001 (02.04.2001)	US	60/286,096 (CIP)
60/283,443	12 April 2001 (12.04.2001)	US	60/286,096 (CIP)
60/285,754	23 April 2001 (23.04.2001)	US	60/286,096 (CIP)
60/286,096	24 April 2001 (24.04.2001)	US	60/286,096 (CIP)
60/288,353	3 May 2001 (03.05.2001)	US	60/286,096 (CIP)
60/291,703	17 May 2001 (17.05.2001)	US	60/286,096 (CIP)
60/294,834	31 May 2001 (31.05.2001)	US	60/286,096 (CIP)
60/299,695	20 June 2001 (20.06.2001)	US	60/286,096 (CIP)
60/299,845	21 June 2001 (21.06.2001)	US	60/286,096 (CIP)
60/303,242	5 July 2001 (05.07.2001)	US	60/286,096 (CIP)
60/311,981	13 August 2001 (13.08.2001)	US	60/286,096 (CIP)
60/312,858	16 August 2001 (16.08.2001)	US	60/286,096 (CIP)
60/313,280	17 August 2001 (17.08.2001)	US	60/286,096 (CIP)
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Not furnished	25 February 2002 (25.02.2002)	US	60/286,096 (CIP)
(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier applications:		US	60/272,404 (CIP)
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[Continued on next page]

(54) Title: NOV-X PROTEINS AND NUCLEIC ACIDS ENCODING SAME

(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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| US | 60/272,787 (CIP) |
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(81) **Designated States (national):** AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

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29 January 2004

(15) Information about Correction:

Previous Correction:

see PCT Gazette No. 48/2002 of 28 November 2002, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/US 02/05910

A. CLASSIFICATION OF SUBJECT MATTER

 IPC 7 C12N15/12 C07K14/47 C07K16/18 C12Q1/68 A61K38/17
 A61P3/00 A61P21/00 A61P3/10 A61K39/395 G01N33/68

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)

IPC 7 C07K

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 practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, MEDLINE, EMBASE, SCISEARCH, LIFESCIENCES, CHEM ABS Data, SEQUENCE SEARCH, EMBL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! EBI; WUGSC:H_DJ075H13.1 protein (Fragment), 1 November 1998 (1998-11-01) retrieved from EMBL Database accession no. 075851 XP002224736 cited in the application see sequence	1-14
X	DATABASE EMBL 'Online! EBI; 25 January 2001 (2001-01-25) retrieved from EMBL Database accession no. BF940061 XP002224737 see sequence	5-14
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *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)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *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
- *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
- *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.
- *G* document member of the same patent family

Date of the actual completion of the international search

9 January 2003

Date of mailing of the international search report

09.05.03

Name and mailing address of the ISA

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Authorized officer

Bassias, I

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/05910

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL 'Online! EBI; 15 June 1998 (1998-06-15) retrieved from EMBL Database accession no. AC004877 XP002224738 see sequence	5-14
A	YAMAMOTO T ET AL: "THE HUMAN LDL RECEPTOR: A CYSTEINE-RICH PROTEIN WITH MULTIPLE ALU SEQUENCES IN ITS MRNA" CELL, MIT PRESS, CAMBRIDGE, MA,, US, vol. 39, 1 November 1984 (1984-11-01), pages 27-38, XP000650714 ISSN: 0092-8674 the whole document	
A	RAO K N: "THE SIGNIFICANCE OF THE CHOLESTEROL BIOSYNTHETIC PATHWAY IN CELL GROWTH AND CARCINOGENESIS (REVIEW)" ANTICANCER RESEARCH, HELENIC ANTICANCER INSTITUTE, ATHENS,, GR, vol. 15, no. 2, March 1995 (1995-03), pages 309-314, XP001064096 ISSN: 0250-7005 the whole document	
P,X	DATABASE EMBL 'Online! EBI; 13 February 2002 (2002-02-13) retrieved from EMBL Database accession no. AAS94390 XP002224739 see sequence	5-14

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/05910

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-49 (all partially)

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-49 (all partially)

INVENTION 1:

Polypeptide (NOV1) comprising SEQ ID NO: 1, corresponding nucleic acid molecule (SEQ ID NO: 2), vectors, cells, antibodies against said polypeptide, pharmaceutical compositions comprising the polypeptide/nucleic acid molecule mentioned, and methods for determining the presence of the polypeptide/nucleic acid molecule, for identifying agents that bind to said molecules, for treating, preventing or determining predisposition to a NOV1 associated disorder.

2. Claims: 1-49 (all partially)

INVENTION 2-107:

Polypeptides (NOV2-91) comprising SEQ ID NO:2n-1 wherein n is any integer 2-107, corresponding nucleic acid molecules (SEQ ID NO:2n, wherein n is any integer 2-107), vectors, cells, antibodies against said polypeptides, pharmaceutical compositions comprising the polypeptides/nucleic acid molecules mentioned, and methods for determining the presence of the polypeptides/nucleic acid molecules, for identifying agents that bind to said molecules, for treating, preventing or determining predisposition to a NOV2-91 associated disorder.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 26-37, 48 and 49 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Although claims 44-47 are directed to a diagnostic method practised on the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.