

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 March 2002 (14.03.2002)

PCT

(10) International Publication Number
WO 02/020562 A3

(51) International Patent Classification⁷: **C12N 15/12**,
15/62, C07K 14/47, 16/18, G01N 33/68

(21) International Application Number: PCT/EP01/10011

(22) International Filing Date: 30 August 2001 (30.08.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
00119271.5 6 September 2000 (06.09.2000) EP

(71) Applicant (for all designated States except US): **MERCK PATENT GMBH** [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **HENTSCH, Bernd** [DE/DE]; Kaupstrasse 48, 64289 Darmstadt (DE).

(74) Common Representative: **MERCK PATENT GMBH**; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(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, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
3 January 2003

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.



WO 02/020562 A3

(54) Title: FAMILY MEMBER OF INHIBITOR OF APOPTOSIS PROTEINS

(57) Abstract: IAPL-2 polypeptides and polynucleotides and methods for producing such polypeptides by recombinant techniques are disclosed. Also disclosed are methods for utilizing IAPL-2 polypeptides and polynucleotides in diagnostic assays.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 01/10011

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/12 C12N15/62 C07K14/47 C07K16/18 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 C12N 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, EMBL, SEQUENCE SEARCH, WPI Data

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! 13 September 1999 (1999-09-13) ROBERT STRAUSBERG: "UI-H-BIO-aan-f-08-0-UI.s1 NCI_CGAP_Sub1 Homo sapiens cDNA clone" retrieved from EBI Database accession no. AW015743 XP002217261	4,5
Y	the whole document --- -/--	1-3,6-11

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

17 October 2002

Date of mailing of the international search report

31/10/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Gurdjian, D

INTERNATIONAL SEARCH REPORT

Int. Patent Application No
PCT/EP 01/10011

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE EMBL 'Online! 29 April 1997 (1997-04-29) HILLIER L. ET AL.: "zu62a05.s1 Soares_testis_NHT Homo sapiens cDNA clone IMAGE:742544 3' similar to TR:G1184318 G1184318 INHIBITOR OF APOPTOSIS PROTEIN 2 ; mRNA sequence" retrieved from EBI Database accession no. AA400037 XP002217262 the whole document</p>	1-12
Y	<p>WO 99 62943 A (YOWE DAVID ;MILLENNIUM PHARM INC (US)) 9 December 1999 (1999-12-09) claims 1-22; figures 1-3</p>	1-3,6-11

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No

PCT/EP 01/10011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9962943 A	09-12-1999	AU 4545299 A	20-12-1999
		WO 9962943 A2	09-12-1999
		US 6326481 B1	04-12-2001
