



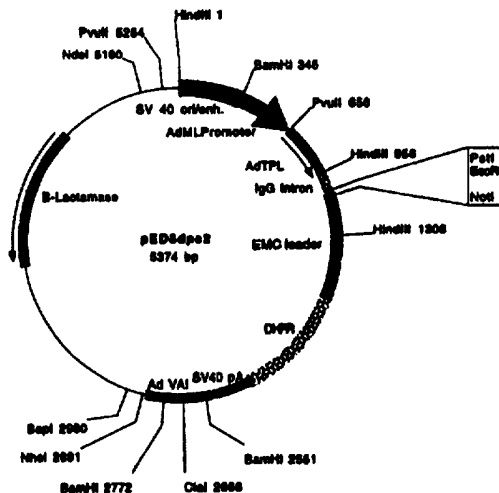
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification ⁶ : C12N 15/12, C07K 14/47, C12N 15/19, C07K 14/52, A61K 38/19, C12N 5/10, A61K 38/17</p>	<p>A3</p>	<p>(11) International Publication Number: WO 97/46682 (43) International Publication Date: 11 December 1997 (11.12.97)</p>
<p>(21) International Application Number: PCT/US97/09865 (22) International Filing Date: 6 June 1997 (06.06.97) (30) Priority Data: 08/659,224 7 June 1996 (07.06.96) US Not furnished 2 June 1997 (02.06.97) US (71) Applicant: GENETICS INSTITUTE, INC. [US/US]; 87 CambridgePark Drive, Cambridge, MA 02140 (US). (72) Inventors: JACOBS, Kenneth; 151 Beaumont Avenue, Newton, MA 02160 (US). MCCOY, John, M.; 56 Howard Street, Reading, MA 01867 (US). RACIE, Lisa, A.; 124 School Street, Acton, MA 01720 (US). LAVALLIE, Edward, R.; 90 Green Meadow Drive, Tewksbury, MA 01876 (US). MERBERG, David; 2 Orchard Drive, Acton, MA 01720 (US). TREACY, Maurice; 93 Walcott Road, Chestnut Hill, MA 02167 (US). EVANS, Cheryl; Apartment #21, 35 Bellvista Road, Brookline, MA 02146 (US). BOWMAN, Michael; 50 Aldrich Road, Canton, MA 02021 (US). SPAULDING, Vikki; 11 Meadowbank Road, Billerica, MA 01821 (US).</p>	<p>(74) Agent: SPRUNGER, Suzanne, A.; Genetics Institute, Inc., 87 CambridgePark Drive, Cambridge, MA 02140 (US). (81) Designated States: AU, CA, JP, MX, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 12 March 1998 (12.03.98)</p>	

(54) Title: POLYNUCLEOTIDES FROM HUMAN ADULT PBMC ENCODING SECRETED PROTEINS

(57) Abstract

The invention provides a clone D 147-17 isolated from a human adult PBMC cDNA library comprising polynucleotides encoding secreted proteins using methods selective for cDNAs encoding secreted proteins.



Plasmid name: pED64pc2
Plasmid size: 5374 bp

Comments/References: pED64pc2 is derived from pED64pc1 by insertion of a new polylinker to facilitate cDNA cloning. SST cDNAs are cloned between EcoRI and NotI. pED vectors are described in Kaufman et al.(1991), NAR 19: 4488-4490.

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INTERNATIONAL SEARCH REPORT

Internat. Application No
PCT/US 97/09865

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/12 C07K14/47 C12N15/19 C07K14/52 A61K38/19
C12N5/10 A61K38/17

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 6 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JACOBS K ET AL: "A NOVEL METHOD FOR ISOLATING EUKARYOTIC CDNA CLONES ENCODING SECRETED PROTEINS" JOURNAL OF CELLULAR BIOCHEMISTRY - SUPPLEMENT, vol. 21A, 10 March 1995, page 19 XP002027246 see abstract C1-207 ---	
A	CALLARD R E ET AL: "AIMS OF THE BOOK" CYTOKINE FACTSBOOK, 1994, CALLARD R E;GEARING A J H, pages 2/3, 31-38, 64/65, 75/76, 97/98, 148 - 151, 252/253, XP002039160 --- -/--	

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
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- *Z* document member of the same patent family

Date of the actual completion of the international search

12 November 1997

Date of mailing of the international search report

07. 01. 98

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INTERNATIONAL SEARCH REPORT

Internat. Application No

PCT/US 97/09865

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	M. YOKOYAMA-KOBAYASHI ET AL: "A signal sequence detection system using secreted protease activity as an indicator " GENE., vol. 163, 1995, AMSTERDAM NL, pages 193-196, XP002046435 ---	
A	TASHIRO K ET AL: "SIGNAL SEQUENCE TRAP: A CLONING STRATEGY FOR SECRETED PROTEINS AND TYPE I MEMBRANE PROTEINS" SCIENCE, vol. 261, 30 July 1993, pages 600-603, XP000673204 ---	
X	L. HILLIER ET AL: "The WashU-Merck EST project. ym65b04.r1 Homo sapiens cDNA clone 163759 5'" EMBL DATABASE ENTRY HS129166 ; ACCESSION NUMBER H14129, 11 July 1995, XP002046553 see abstract ---	1,13-16
P,A	L. HILLIER ET AL: "The WashU-Merck EST project. zk50e05.s1 Soares pregnant uterus NbHPU Homo sapiens cDNA clone 486272 3'" EMBL DATABASE ENTRY HSA44020; ACCESSION NUMBER AA044020 , 7 September 1996, XP002046554 see abstract ---	13
T	US 5 536 637 A (KENNETH JACOBS) 16 July 1996 ---	
T	K. A. JACOBS ET AL: "A genetic selection for isolating cDNAs encoding secreted proteins" GENE., vol. 198, 1 October 1997, AMSTERDAM NL, pages 289-296, XP002045919 -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 97/09865

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:

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.:

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

Remark : Although claim 12 is directed to a method of treatment of the human/animal body (rule 39.1 IV PCT), the search has been carried out and based on the alleged effects of the compound/composition.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 97/09865

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5536637 A	16-07-96	NONE	