

Title (en)
PANCAM NUCLEIC ACIDS AND POLYPEPTIDES

Title (de)
PANCAM-NUKLEINSÄUREN UND -POLYPEPTIDE

Title (fr)
ACIDES NUCLEIQUES ET POLYPEPTIDES PANCAM

Publication
EP 1409523 A4 20050615 (EN)

Application
EP 02756316 A 20020624

Priority
• US 0220275 W 20020624
• US 0119904 W 20010622

Abstract (en)
[origin: WO03000021A2] An isolated polynucleotide encoding a novel immunoglobulin superfamily member named PanCAM (also named GP354) is provided. PanCAM has a predicted single membrane spanning domain and five immunoglobulin (Ig) domains in the extracellular portion of the protein. The protein structure and tissue distribution of PanCAM indicate that it plays a role in cell-cell recognition, binding, signaling and adhesion events in the pancreas (especially the beta islets), the pituitary gland, and the central nervous system (CNS). Provided by the invention are isolated PanCAM related polynucleotides and polypeptides, vectors, and host cells comprising any of the above, antibodies directed to PanCAM, cells which produce such antibodies, and related diagnostic and therapeutic methods.

IPC 1-7
C12N 15/12; C07K 14/705; C07K 16/28; C12Q 1/68; G01N 33/50; A61K 31/7088; A61K 38/17; A61K 39/395

IPC 8 full level
G01N 33/50 (2006.01); **A61K 31/7088** (2006.01); **A61K 35/39** (2015.01); **A61K 39/395** (2006.01); **A61K 48/00** (2006.01); **A61P 1/18** (2006.01); **A61P 3/10** (2006.01); **A61P 5/00** (2006.01); **A61P 5/06** (2006.01); **A61P 5/10** (2006.01); **A61P 25/00** (2006.01); **A61P 25/06** (2006.01); **A61P 25/08** (2006.01); **A61P 25/16** (2006.01); **A61P 25/18** (2006.01); **A61P 25/28** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01); **A61P 43/00** (2006.01); **C07K 14/47** (2006.01); **C07K 14/705** (2006.01); **C07K 16/18** (2006.01); **C07K 19/00** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/02** (2006.01); **C12N 5/07** (2010.01); **C12N 5/078** (2010.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/12** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01); **G01N 33/566** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)
A61P 1/18 (2018.01); **A61P 3/10** (2018.01); **A61P 5/00** (2018.01); **A61P 5/06** (2018.01); **A61P 5/10** (2018.01); **A61P 25/00** (2018.01); **A61P 25/06** (2018.01); **A61P 25/08** (2018.01); **A61P 25/16** (2018.01); **A61P 25/18** (2018.01); **A61P 25/28** (2018.01); **A61P 35/00** (2018.01); **A61P 37/00** (2018.01); **A61P 43/00** (2018.01); **C07K 14/70503** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)
• [A] WO 9836062 A1 19980820 - SMITHKLINE BEECHAM PLC [GB], et al
• [PX] WO 0168848 A2 20010920 - GENENTECH INC [US], et al
• [X] DATABASE EMBL [online] EBI, Hinxton, UK; 31 January 2000 (2000-01-31), ABOLA A P ET AL: "Homo sapiens chromosome 19 clone RP11-38C1", XP002212519, Database accession no. AC022315
• [X] DATABASE EMBL [online] EBI, Hinxton, UK; 11 June 1997 (1997-06-11), LAMERDIN J E ET AL: "Sequence analysis of a 1 Mb region in 19q13.1", XP002212520, Database accession no. AC002133
• [X] DATABASE EMBL [online] EBI, Hinxton, UK; 5 January 2001 (2001-01-05), DUESTERHOEFT A ET AL: "Homo sapiens mRNA", XP002212521, Database accession no. AL136654
• [X] RAMOS RICARDO G P ET AL: "The Irregular chiasm C-roughest locus of Drosophila, which affects axonal projections and programmed cell death, encodes a novel immunoglobulin-like protein.", GENES & DEVELOPMENT, vol. 7, no. 12B, 1993, pages 2533 - 2547, XP008007783, ISSN: 0890-9369
• [A] VAN SCHILFGAARDE R ET AL: "Factors influencing the properties and performance of microcapsules for immunoprotection of pancreatic islets.", JOURNAL OF MOLECULAR MEDICINE (BERLIN, GERMANY) JAN 1999, vol. 77, no. 1, January 1999 (1999-01-01), pages 199 - 205, XP002311896, ISSN: 0946-2716

Citation (examination)
WO 9625497 A1 19960822 - INCYTE PHARMA INC [US]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 03000021 A2 20030103; WO 03000021 A3 20031120; AU 2002322331 B2 20080103; CA 2451271 A1 20030103; CA 2459985 A1 20030103; EP 1409523 A2 20040421; EP 1409523 A4 20050615; JP 2005508147 A 20050331; JP 4224395 B2 20090212

DOCDB simple family (application)
US 0220275 W 20020624; AU 2002322331 A 20020624; CA 2451271 A 20020624; CA 2459985 A 20020624; EP 02756316 A 20020624; JP 2003506477 A 20020624