

Title (en)

HUMAN PROTEINS HAVING TRANSMEMBRANE DOMAINS AND DNAs ENCODING THESE PROTEINS

Title (de)

MENSCHLICHE PROTEINE MIT TRANSMEMBRANER DOMÄNEN UND FÜR DIESE KODIERENDE CDNAS

Title (fr)

PROTEINES HUMAINES PRESENTANT DES DOMAINES MEMBRANAIRES ET ADN CODANT CES PROTEINES

Publication

EP 1032664 A2 20000906 (EN)

Application

EP 98954773 A 19981120

Priority

- JP 9805238 W 19981120
- JP 32312997 A 19971125

Abstract (en)

[origin: WO9927094A2] Human proteins having transmembrane domains, cDNAs coding for these proteins, and expression vectors of said cDNAs as well as eucaryotic cells expressing said cDNAs are provided. The proteins exist in the cell membrane and are considered to control the proliferation and the differentiation of the cells. The proteins can thus be employed as pharmaceuticals such as carcinostatic agents relating to the control of the proliferation and the differentiation of the cells or as antigens for preparing antibodies against said proteins. The cDNAs can be utilized as probes for the gene diagnosis and gene sources for the gene therapy. Furthermore, the cDNAs can be utilized for large-scale expression of said proteins. Cells, wherein these membrane protein genes are introduced and membrane proteins are expressed in large amounts, can be utilized for detection of the corresponding ligands, screening of novel low-molecular pharmaceuticals, and so on.

IPC 1-7

C12N 15/12; **C07K 14/47**; **C12N 15/85**; **C12N 5/10**

IPC 8 full level

C12N 15/09 (2006.01); **A61K 38/00** (2006.01); **A61K 48/00** (2006.01); **A61P 43/00** (2006.01); **C07K 14/47** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 5/10** (2006.01); **C12N 15/12** (2006.01)

CPC (source: EP)

A61P 43/00 (2017.12); **C07K 14/47** (2013.01)

Citation (search report)

See references of WO 9927094A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9927094 A2 19990603; **WO 9927094 A3 19990826**; AU 1175199 A 19990615; CA 2311237 A1 19990603; EP 1032664 A2 20000906; JP 2002517178 A 20020618

DOCDB simple family (application)

JP 9805238 W 19981120; AU 1175199 A 19981120; CA 2311237 A 19981120; EP 98954773 A 19981120; JP 2000522236 A 19981120