

Title (en)

GENE ENCODING MOLECULAR MOTOR PROTEIN AND DIAGNOSIS METHOD FOR THE DISEASE RELATED TO THE GENE

Title (de)

FÜR EIN MOTORPROTEIN CODIERENDES GEN, SOWIE EINE DIAGNOSEMETHODE FÜR EINE ERKRANKUNG DIE IM ZUSAMMENHANG MIT DEM GEN STEHT

Title (fr)

GENE CODANT UNE NOUVELLE PROTEINE DE TYPE MOTEUR MOLECULAIRE ET PROCEDE DIAGNOSTIQUE POUR UNE MALADIE LIEE A CE GENE

Publication

EP 1390483 A2 20040225 (EN)

Application

EP 02728192 A 20020529

Priority

- JP 0205226 W 20020529
- US 29351301 P 20010529

Abstract (en)

[origin: WO02097079A2] The present invention provides KIF1Bb protein, a novel polypeptide having motor activity that transports synaptic vesicle precursor. The present invention also provides a polynucleotide encoding the polypeptide, a method for preparing the polypeptide, and use thereof, such as diagnosis method for kif1Bb gene-associated disease. The polypeptide of the present invention, a gene encoding the polypeptide, and a compound that ameliorates the symptom of the kif1Bb gene-associated disease are useful for developing a therapeutic or preventive agent for kif1Bb gene-associated disease, for example, Charcot-Marie-Tooth disease type 2A.

IPC 1-7

C12N 9/14; **C12N 15/55**; **C12N 15/11**; **C12N 5/10**; **C07K 16/40**; **A01K 67/027**; **G01N 33/50**

IPC 8 full level

A01K 67/027 (2006.01); **A61K 45/00** (2006.01); **A61P 21/00** (2006.01); **A61P 25/00** (2006.01); **C07K 14/47** (2006.01); **C07K 16/18** (2006.01); **C07K 16/40** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 9/14** (2006.01); **C12N 15/09** (2006.01); **C12N 15/55** (2006.01); **C12P 21/02** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/50** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

A61P 21/00 (2017.12); **A61P 25/00** (2017.12); **C07K 16/40** (2013.01); **C12N 9/14** (2013.01); **A01K 2217/05** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

See references of WO 02097079A2

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 02097079 A2 20021205; **WO 02097079 A3 20030918**; AU 2002258249 A1 20021209; EP 1390483 A2 20040225; JP 2004534534 A 20041118

DOCDB simple family (application)

JP 0205226 W 20020529; AU 2002258249 A 20020529; EP 02728192 A 20020529; JP 2003500246 A 20020529