

Title (en)
TRANSPORTER FOR SACCHARIDE-COUPLED MEDICAMENTS

Title (de)
TRANSPORTERPROTEIN FÜR SACCHARID-GEKOPPELTE ARZNEIMITTEL

Title (fr)
TRANSPORTEUR POUR MEDICAMENTS A COUPLAGE SACCHARIDIQUE

Publication
EP 1056857 A2 20001206 (DE)

Application
EP 99915493 A 19990218

Priority

- DE 9900535 W 19990218
- DE 19806803 A 19980218

Abstract (en)
[origin: WO9942477A2] The invention relates to a nucleic acid molecule from a sugar transporter family. Said nucleic acid codes for a protein with the biological activity of a transporter for saccharide-coupled medicaments. The invention also relates to vectors containing these nucleic acid molecules. In a preferred form, these vectors are suitable for the expression of the transporter in prokaryotes or eukaryotes and for gene therapy. The invention also relates to proteins which are coded by the nucleic acid and to antibodies which specifically recognise these proteins. The objects of the invention can be used to test cells, especially tumour cells, for the presence of a transporter of this kind. In the event that said transporter is not present in cells, it can be introduced by gene therapy. In this way, tumour cells can be made accessible to chemotherapy much more effectively than previously possible.

IPC 1-7
C12N 15/12; **C07K 14/435**; **G01N 33/68**; **C12Q 1/68**; **A61K 48/00**

IPC 8 full level
A61K 38/00 (2006.01); **A61K 39/395** (2006.01); **A61K 48/00** (2006.01); **A61P 35/00** (2006.01); **C07K 14/47** (2006.01); **C07K 16/18** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/02** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/48** (2006.01); **G01N 33/68** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP)
A61P 35/00 (2017.12); **C07K 14/47** (2013.01); **C07K 16/18** (2013.01); **A61K 48/00** (2013.01); **C07K 2317/11** (2013.01)

Citation (search report)
See references of WO 9942477A2

Designated contracting state (EPC)
AT BE CH DE ES FR GB LI LU NL SE

DOCDB simple family (publication)
WO 9942477 A2 19990826; **WO 9942477 A3 20000330**; **WO 9942477 A8 19991104**; DE 19806803 A1 19991125; EP 1056857 A2 20001206; JP 2002504318 A 20020212

DOCDB simple family (application)
DE 9900535 W 19990218; DE 19806803 A 19980218; EP 99915493 A 19990218; JP 2000532429 A 19990218