

Title (en)

P-40/ANNEXIN I AND RELATED PROTEINS AND THEIR ROLE IN MULTIDRUG RESISTANCE

Title (de)

P-40/ANNEXIN I UND VERWANDTE PROTEINE UND DEREN ROLLE IN MULTIDROGENRESISTENZ

Title (fr)

P-40/ANNEXINE I, PROTEINES ASSOCIEES ET LEUR ROLE DANS LA RESISTANCE MULTIPLE AUX ANTICANCEREUX

Publication

**EP 1025225 A1 20000809 (EN)**

Application

**EP 98949842 A 19981026**

Priority

- CA 9800992 W 19981026
- CA 2219299 A 19971024

Abstract (en)

[origin: WO9921980A1] The present invention relates in general to multidrug resistance (MDR) in cells. In particular, the present invention relates to the identification of a new member of the MDR gene family, P-40, as well as to the identification of P-40 related genes (homologs) as being additional members of the MDR gene family. The present invention therefore relates to nucleic acid molecules encoding P-40 protein and P-40 protein homologs, to multidrug resistant cells containing these nucleic acid molecules; to hybridomas containing antibodies to P-40 and P-40 homologs; to nucleic acid probes for the detection of these nucleic acid molecules; to a method of detection of such nucleic acid molecules or of the P-40 protein or P-40 homologs, to bioassays comprising the nucleic acid molecules encoding P-40 or P-40 homologs, P-40 protein or P-40 protein homologs, or antibodies of the present invention to diagnose, assess or prognose MDR in an animal; to therapeutic uses of the nucleic acid molecules of the present invention (i.e. antisense), protein or antibodies of the present invention; and to methods of preventing MDR in an animal.

IPC 1-7

**C12N 15/12**; C07K 14/47; C12Q 1/68; C12N 15/11; A61K 31/70; A61K 39/395; A61K 38/17; G01N 33/50

IPC 8 full level

**C07K 14/47** (2006.01); **C12N 15/12** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

**C07K 14/4721** (2013.01); **A61K 38/00** (2013.01)

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 9921980 A1 19990506**; AU 9617498 A 19990517; CA 2219299 A1 19990424; EP 1025225 A1 20000809

DOCDB simple family (application)

**CA 9800992 W 19981026**; AU 9617498 A 19981026; CA 2219299 A 19971024; EP 98949842 A 19981026