

Title (en)  
GENOMIC SEQUENCES UPSTREAM OF THE CODING REGION OF THE IFN-ALPHA2 GENE FOR PROTEIN PRODUCTION AND DELIVERY

Title (de)  
GENOMISCHE SEQUENZEN, DIE STROMAUFWÄRTS DER IFN-ALPHA2 KODIERENDEGEBIET LIEGEN: FÜR PROTEIN PRODUKTION UND VERABREICHUNG

Title (fr)  
SEQUENCES GENOMIQUES EN AMONT DE LA REGION CODANTE DU GENE IFN-ALPHA2 DESTINEES A LA PRODUCTION ET A L'ADMINISTRATION DE PROTEINES

Publication  
**EP 1075531 A1 20010214 (EN)**

Application  
**EP 99920375 A 19990505**

Priority  
• US 9909925 W 19990505  
• US 8464898 P 19980507  
• US 8655598 P 19980521

Abstract (en)  
[origin: WO9957292A1] An isolated nucleic acid molecule that hybridizes under stringent conditions, or shares at least 80 % sequence identity, with a defined genomic region upstream of the coding region of the IFNA2 gene, and a DNA construct containing that DNA molecule as a targeting sequence for homologous recombination.

IPC 1-7  
**C12N 15/67; C12N 15/90; C12N 15/85; C12N 15/21; C07K 14/56; A61K 48/00; C12N 5/10**

IPC 8 full level  
**A61K 48/00** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **C07K 14/56** (2006.01); **C12N 5/10** (2006.01); **C12N 15/21** (2006.01); **C12N 15/67** (2006.01); **C12N 15/09** (2006.01); **C12N 15/85** (2006.01); **C12N 15/90** (2006.01); **C12P 21/02** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP KR)  
**A61P 31/12** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **C07K 14/56** (2013.01 - EP); **C12N 15/09** (2013.01 - KR); **C12N 15/67** (2013.01 - EP); **C12N 15/85** (2013.01 - EP); **C12N 15/907** (2013.01 - EP); **A61K 48/00** (2013.01 - EP); **C12N 2840/44** (2013.01 - EP)

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 9957292 A1 19991111; WO 9957292 A9 19991216**; AR 016264 A1 20010620; AU 3788899 A 19991123; CA 2328459 A1 19991111; CN 1309710 A 20010822; CZ 20003705 A3 20010411; CZ 299418 B6 20080716; EP 1075531 A1 20010214; HU P0102517 A2 20011128; HU P0102517 A3 20040628; IL 139433 A0 20011125; JP 2002513580 A 20020514; KR 20010052278 A 20010625; NO 20005585 D0 20001106; NO 20005585 L 20010105; PL 344517 A1 20011105; TR 200003271 T2 20010321

DOCDB simple family (application)  
**US 9909925 W 19990505**; AR P990102133 A 19990506; AU 3788899 A 19990505; CA 2328459 A 19990505; CN 99808195 A 19990505; CZ 20003705 A 19990505; EP 99920375 A 19990505; HU P0102517 A 19990505; IL 13943399 A 19990505; JP 2000547246 A 19990505; KR 20007012066 A 20001030; NO 20005585 A 20001106; PL 34451799 A 19990505; TR 200003271 T 19990505