

Title (en)

IDENTIFICATION AND EXPRESSION OF HUMAN KIR5.1

Title (de)

IDENTIFIZIERUNG UND EXPRESSION VON MENSCHLICHEN KIR5.1

Title (fr)

IDENTIFICATION ET EXPRESSION DE KIR5.1 HUMAIN

Publication

EP 1252314 A4 20021030 (EN)

Application

EP 99909744 A 19990302

Priority

- US 9904549 W 19990302
- US 7662198 P 19980303

Abstract (en)

[origin: WO9945358A2] The invention provides isolated nucleic acid and amino acid sequences of hKir5.1, antibodies to hKir5.1, methods of detecting hKir5.1, methods of screening for inward rectifier potassium channel activators and inhibitors using biologically active hKir5.1, and kits for screening for activators and inhibitors of inward rectifier potassium channels comprising hKir5.1.

IPC 1-7

C12N 15/12; **C07K 14/47**; **C07K 16/18**; **G01N 33/53**

IPC 8 full level

C07K 14/705 (2006.01); **C12N 15/12** (2006.01)

CPC (source: EP)

C07K 14/705 (2013.01)

Citation (search report)

- [E] WO 9918126 A1 19990415 - ONO PHARMACEUTICAL CO [JP], et al
- [X] PESSIA M ET AL.: "Subunit positional effects revealed by novel hetromeric inwardly rectifying K+ channels.", EMBO J., vol. 15, 1996, pages 2980 - 2987, XP001056532
- [PX] MOURI T. ET AL.: "Assignment of mouse inwardly rectifying channel Kcnj16 to the distal region of mouse chromosome 11.", GENOMICS, vol. 54, 1998, pages 181 - 182, XP002193827 & DATABASE GENBANK 2 December 1998 (1998-12-02), HORIO Y.: "Mus musculus Kcnj16 mRNA for inwardly rectifying potassium channel Kir 5.1, partial cds."
- [Y] BOND C T ET AL: "CLONING AND EXPRESSION OF A FAMILY OF INWARD RECTIFIER POTASSIUM CHANNELS", RECEPTORS AND CHANNELS, HARWOOD ACADEMIC PUBLISHERS, CH, vol. 2, no. 3, 1994, pages 183 - 191, XP000615371, ISSN: 1060-6823
- [Y] DOUPNIK C A ET AL: "THE INWARD RECTIFIER POTASSIUM CHANNEL FAMILY", CURRENT OPINION IN NEUROBIOLOGY, LONDON, GB, vol. 5, no. 3, 1 June 1995 (1995-06-01), pages 268 - 277, XP000610493, ISSN: 0959-4388
- [Y] NICHOLS GC AND LOPATIN AN: "Inward rectifier potassium channel", ANNU. REV. PHYSIOL., vol. 59, 1997, pages 171 - 191, XP001062524
- See references of WO 9945358A2

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 9945358 A2 19990910; **WO 9945358 A8 20020829**; AU 2888399 A 19990920; EP 1252314 A2 20021030; EP 1252314 A4 20021030

DOCDB simple family (application)

US 9904549 W 19990302; AU 2888399 A 19990302; EP 99909744 A 19990302