(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
21 July 2005 (21.07.2005)

PCT

(10) International Publication Number
WO 2005/066209 A1

(51) International Patent Classification[7]: C07K 14/72

(21) International Application Number:
PCT/US2004/040853

(22) International Filing Date: 7 December 2004 (07.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/747,994 30 December 2003 (30.12.2003) US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*
— *of inventorship (Rule 4.17(iv)) for US only*

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/066209 A1

(54) Title: NUCLEIC ACID ENCODING A NOVEL PROSTAGLANDIN RECEPTOR PROTEIN AND METHODS OF USE THEREOF

MSFYPCNTTASVRSGNSATVGGVLFSAGLLGNLLALALLARSGLGSCRPRPQPSVFYVLVCGLT
VTDLLGKCLVSPVVLAAYAQNRSLRGLAPAQGDSLCQAFAFIMSFFGLASTLQLLAMALECWL
SLGHPFFYQRHITVRRGVLVAPAVGAFSLAFCALPFVGFGNFVQYCPGTWCFFQMISGDDSPSV
KGYSVLYSTLMALLVLAIVLCNLGAMRNLYTMHQRLRRHTRCCSLRDRAGEAFPQSLEELDHL
LLLALMTVLFTMCTLPLVYRAYYGAFKAVEEEPDDLLALRFLSVISIVDPWIFIIFRTSVFRMFFH
KIFIRPLLYRNWHCHFYQTNVESSL

(57) Abstract: Described herein is a novel member of the prostanoid receptor family, a guinea pig prostaglandin D2 receptor. Described are the receptor, the nucleic acid that encodes it, and various uses for both.