Title (en)

G-PROTEIN COUPLED RECEPTORS

Title (de)

G-PROTEIN GEKOPPELTER REZEPTOREN

Title (fr)

RECEPTEURS COUPLES PAR PROTEINE G

Publication

EP 1301595 A2 20030416 (EN)

Application

EP 01935748 A 20010522

Priority

- US 0116833 W 20010522
- US 20622200 P 20000522
- US 20747600 P 20000525
- US 20883400 P 20000602
- US 20886100 P 20000602
- US 20986800 P 20000607

Abstract (en)

[origin: WO0190359A2] The invention provides human G-protein coupled receptors (GCREC) and polynucleotides which identify and encode GCREC. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with aberrant expression of GCREC.

IPC 1-7

C12N 15/12; C12N 15/10; C12Q 1/68; C07K 14/705; C07K 16/28; A01K 67/027; A61K 38/17; A61K 39/395; G01N 33/53; G01N 33/577

IPC 8 full level

G01N 33/50 (2006.01); **A61K 38/00** (2006.01); **A61K 45/00** (2006.01); **A61K 49/00** (2006.01); **A61P 1/04** (2006.01); **A61P 3/00** (2006.01); **A61P 3/04** (2006.01); **A61P 3/10** (2006.01); **A61P 3/14** (2006.01); **A61P 5/02** (2006.01); **A61P 5/06** (2006.01); **A61P 5/10** (2006.01); **A61P 5/14** (2006.01); **A61P 5/18** (2006.01); **A61P 5/44** (2006.01); **A61P 7/00** (2006.01); **A61P 9/00** (2006.01); **A61P 9/04** (2006.01); **A61P 9/06** (2006.01); **A61P 9/12** (2006.01); **A61P 11/06** (2006.01); **A61P 13/12** (2006.01); **A61P 15/00** (2006.01); **A61P 19/10** (2006.01); **A61P 25/00** (2006.01); **A61P 25/06** (2006.01); **A61P 25/14** (2006.01); **A61P 25/16** (2006.01); **A61P 25/18** (2006.01); **A61P 25/20** (2006.01); **A61P 25/22** (2006.01); **A61P 25/24** (2006.01); **A61P 27/02** (2006.01); **A61P 27/06** (2006.01); **A61P 29/00** (2006.01); **A61P 31/00** (2006.01); **A61P 31/12** (2006.01); **A61P 35/00** (2006.01); **A61P 37/02** (2006.01); **A61P 43/00** (2006.01); **C07K 14/705** (2006.01); **C07K 16/28** (2006.01); **C07K 16/46** (2006.01); **C07K 19/00** (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); **C12N 15/12** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/15** (2006.01); **G01N 33/53** (2006.01); **G01N 33/566** (2006.01)

CPC (source: EP)

A61P 1/04 (2017.12); **A61P 3/00** (2017.12); **A61P 3/04** (2017.12); **A61P 3/10** (2017.12); **A61P 3/14** (2017.12); **A61P 5/02** (2017.12); **A61P 5/06** (2017.12); **A61P 5/10** (2017.12); **A61P 5/14** (2017.12); **A61P 5/18** (2017.12); **A61P 5/44** (2017.12); **A61P 7/00** (2017.12); **A61P 9/00** (2017.12); **A61P 9/04** (2017.12); **A61P 9/06** (2017.12); **A61P 9/12** (2017.12); **A61P 11/06** (2017.12); **A61P 13/12** (2017.12); **A61P 15/00** (2017.12); **A61P 19/10** (2017.12); **A61P 25/00** (2017.12); **A61P 25/06** (2017.12); **A61P 25/14** (2017.12); **A61P 25/16** (2017.12); **A61P 25/18** (2017.12); **A61P 25/20** (2017.12); **A61P 25/22** (2017.12); **A61P 25/24** (2017.12); **A61P 27/02** (2017.12); **A61P 27/06** (2017.12); **A61P 29/00** (2017.12); **A61P 31/00** (2017.12); **A61P 31/12** (2017.12); **A61P 35/00** (2017.12); **A61P 37/02** (2017.12); **A61P 43/00** (2017.12); **C07K 14/705** (2013.01); A01K 2217/05 (2013.01); A61K 38/00 (2013.01); A61K 2039/505 (2013.01)

Citation (search report)

See references of WO 0190359A2

Citation (examination)

- US 2007105159 A1 20070510 - ERLENBACH ISOLDE [US], et al
- LI X. ET AL: "Human receptors for sweet and umami taste", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE USA, vol. 99, no. 7, 2 April 2002 (2002-04-02), pages 4692 - 4696
- ZHAO G.Q. ET AL: "The receptors for mammalian sweet and umami taste", CELL, vol. 115, 31 October 2003 (2003-10-31), pages 255 - 266
- BRENNER S.E. ET AL: "Assessing sequence comparison methods with reliable structurally identified distant evolutionalry relationships", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE USA, vol. 95, May 1998 (1998-05-01), pages 6073 - 6078
- BORK P.: "Powers and pitfalls in sequence analysis: the 70% hurdle", GENOME RESEARCH, vol. 10, 2000, pages 398 - 400

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0190359 A2 20011129; **WO 0190359 A3 20030130**; AU 6181401 A 20011203; CA 2408140 A1 20011129; EP 1301595 A2 20030416; JP 2004515215 A 20040527

DOCDB simple family (application)

US 0116833 W 20010522; AU 6181401 A 20010522; CA 2408140 A 20010522; EP 01935748 A 20010522; JP 2001587153 A 20010522