

Title (en)  
A NOVEL G PROTEIN-COUPLED RECEPTOR, GAVE8

Title (de)  
GAVE8, EIN NEUER G-PROTEIN-GEKOPPELTER REZEPTOR

Title (fr)  
NOUVEAU RECEPTEUR COUPLE AUX PROTEINES G, GAVE8

Publication  
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Application  
**EP 02747073 A 20020719**

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Abstract (en)  
[origin: WO03008560A2] Novel GAVE8 polypeptides, proteins, and nucleic acid molecules are disclosed. In addition to isolated, full-length GAVE8 proteins, isolated GAVE8 fusion proteins, antigenic peptides and anti-GAVE8 are provided. The invention also provides GAVE8 nucleic acid molecules, recombinant expression vectors containing the nucleic acid molecule, host cells into which the expression vectors have been introduced and nonhuman transgenic animals in which GAVE8 gene has been introduced or disrupted are described. Diagnostic, screening, and therapeutic methods utilizing GAVE8 compositions or molecules binding GAVE8 also are provided. Methods for identifying GAVE8 agonists, antagonists, inverse agonists and the like are described.

IPC 1-7  
**C07K 14/705; C12N 15/12; C07K 16/18; G01N 33/50; A61K 35/00**

IPC 8 full level  
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Citation (search report)  
• [X] WO 0136473 A2 20010525 - UPJOHN CO [US], et al  
• [PX] WO 0181573 A1 20011101 - AVENTIS PHARMA GMBH [DE]  
• [PX] WO 0200719 A2 20020103 - TULARIK INC [US], et al  
• [X] DATABASE EMBL [online] 6 December 2000 (2000-12-06), "Homo sapiens sphingosine 1-phosphate receptor Edg-8 gene, complete cds.", XP002357167, retrieved from EBI accession no. EM\_PRO:AF317676 Database accession no. AF317676  
• [X] LIU C H ET AL: "The Mouse Gene for the Inducible G-Protein-Coupled Receptoredg-1", GENOMICS, ACADEMIC PRESS, SAN DIEGO, US, vol. 43, no. 1, 1 July 1997 (1997-07-01), pages 15 - 24, XP004459267, ISSN: 0888-7543  
• [PX] DATABASE Geneseq [online] 25 February 2002 (2002-02-25), "Human EDG-8 receptor protein.", XP002357215, retrieved from EBI accession no. GSN:AAG80582 Database accession no. AAG80582  
• [DA] GOETZL E J ET AL: "A SUBFAMILY OF G PROTEIN-COUPLED CELLULAR RECEPTORS FOR LYSOPHOSPHOLIPIDS AND LYSOPHINGOLIPIDS", ADVANCES IN EXPERIMENTAL MEDICINE AND BIOLOGY, SPRING ST., NY, US, vol. 469, 1999, pages 259 - 264, XP002944908, ISSN: 0065-2598 & DATABASE Geneseq [online] 28 August 2001 (2001-08-28), "Human nGPCR9 #2.", XP002357168, retrieved from EBI accession no. GSN:AAG80967 Database accession no. AAG80967 & DATABASE Geneseq [online] 25 February 2002 (2002-02-25), "Human EDG8 receptor protein.", XP002357169, retrieved from EBI accession no. GSN:AAG80590 Database accession no. AAG80590 & DATABASE Geneseq [online] 9 April 2002 (2002-04-09), "Amino acid sequence of human G-protein coupled receptor edg protein.", XP002357214, retrieved from EBI accession no. GSN:AAU74910 Database accession no. AAU74910  
• See references of WO 03008560A2

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