

Title (en)

METHODS AND MATERIALS FOR MODULATING ENaC-BETA

Title (de)

VERFAHREN UND MATERIALIEN ZUR MODULIERUNG VON ENaC-BETA

Title (fr)

PROCEDES ET SUBSTANCES DE MODULATION DE L'ENaC-BETA

Publication

**EP 1478655 A4 20060510 (EN)**

Application

**EP 02799996 A 20021231**

Priority

- US 0241850 W 20021231
- US 34606901 P 20011231

Abstract (en)

[origin: WO03057847A2] The invention relates to antisense oligonucleotides, compositions and methods useful for modulating the expression of ENaC-beta. The compositions comprise antisense oligonucleotides targeted to nucleic acids encoding ENaC-beta.

[origin: WO03057847A2] The invention relates to antisense oligonucleotides, compositions and methods useful for modulating the expression of ENaC-beta. The compositions comprise antisense oligonucleotides targeted to nucleic acids encoding ENaC-beta.

IPC 1-7

**C07H 21/04**; **A61K 48/00**; **C12N 15/00**

IPC 8 full level

**C07K 14/705** (2006.01); **C12N 15/113** (2010.01); **A61K 38/00** (2006.01)

CPC (source: EP)

**C07K 14/705** (2013.01); **C12N 15/1138** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

- [X] DATABASE NCBI 26 July 2000 (2000-07-26), XP002370524, Database accession no. AJ270360
- [X] DATABASE NCBI 3 October 1995 (1995-10-03), XP002370525, Database accession no. 1HAP\_D
- [X] DATABASE NCBI 7 May 1996 (1996-05-07), XP002370526, Database accession no. X87698
- [X] DATABASE NCBI 6 March 2000 (2000-03-06), XP002370527, Database accession no. AJ132117
- [X] DATABASE NCBI 7 May 1993 (1993-05-07), XP002370528, Database accession no. S85712
- [X] DATABASE NCBI 28 September 1999 (1999-09-28), XP002370529, Database accession no. 1QMS\_A
- [X] DATABASE NCBI 7 May 1993 (1993-05-07), XP002370530, Database accession no. S81274
- [X] DATABASE NCBI 11 June 1993 (1993-06-11), XP002370531, Database accession no. L15695
- [X] DATABASE NCBI 5 June 1997 (1997-06-05), XP002370532, Database accession no. Y13518
- [X] JAIN LUCKY ET AL: "Expression of highly selective sodium channels in alveolar type II cells is determined by culture conditions", AMERICAN JOURNAL OF PHYSIOLOGY, vol. 280, no. 4 Part 1, April 2001 (2001-04-01), pages L646 - L658, XP002370510, ISSN: 0002-9513
- [X] ZUCCHI ILEANA ET AL: "Genetic dissection of dome formation in a mammary cell line: Identification of two genes with opposing action", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 96, no. 24, 23 November 1999 (1999-11-23), pages 13766 - 13770, XP002370511, ISSN: 0027-8424
- [X] JAIN LUCKY ET AL: "Antisense oligonucleotides against the alpha-subunit of ENaC decrease lung epithelial cation-channel activity", AMERICAN JOURNAL OF PHYSIOLOGY, vol. 276, no. 6 PART 1, June 1999 (1999-06-01), pages L1046 - L1051, XP002370512, ISSN: 0002-9513
- [A] MANO I ET AL: "DEG/ENAC CHANNELS A TOUCHY SUPERFAMILY THAT WATCHES ITS SALT", BIOESSAYS, CAMBRIDGE, GB, vol. 21, no. 7, July 1999 (1999-07-01), pages 568 - 578, XP008034073, ISSN: 0265-9247
- See references of WO 03057847A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 03057847 A2 20030717**; **WO 03057847 A3 20031211**; **WO 03057847 A8 20040115**; AU 2002364612 A1 20030724; AU 2002364612 A8 20030724; EP 1478655 A2 20041124; EP 1478655 A4 20060510

DOCDB simple family (application)

**US 0241850 W 20021231**; AU 2002364612 A 20021231; EP 02799996 A 20021231