

Title (en)

INDUCTION OF APOPTIC OR CYTOTOXIC GENE EXPRESSION BY ADENOVIRAL MEDIATED GENE CODELIVERY

Title (de)

INDUKTION APOPTISCHER ODER ZYTOTOXISCHER GENEXPRESSSION DURCH ADENOVIRUS-VERMITTELLEN GEN-KOTRANSFER

Title (fr)

INDUCTION DE L'EXPRESSION DE GENES APOPTOTIQUES OU CYTOTOXIQUES PAR CO-APPORT DE GENES A MEDIATION ADENOVIRALE

Publication

EP 1070122 A4 20041110 (EN)

Application

EP 99913854 A 19990311

Priority

- US 9905359 W 19990311
- US 7754198 P 19980311

Abstract (en)

[origin: WO9946371A2] The present invention generally relates to viral vectors and their use as expression vectors for transforming human cells, both in vitro and in vivo. More particularly, the present invention relates to adenoviral vectors containing proapoptotic genes and their use in cancer therapy.

IPC 1-7

C12N 15/00; A01N 43/04; C12N 15/86; A61K 48/00; A61P 35/00

IPC 8 full level

C07K 14/47 (2006.01); C12N 15/861 (2006.01); A61K 38/00 (2006.01); A61K 48/00 (2006.01)

CPC (source: EP)

A61P 35/00 (2017.12); C07K 14/4747 (2013.01); C12N 15/86 (2013.01); A61K 38/00 (2013.01); A61K 48/00 (2013.01); C12N 2710/10343 (2013.01); C12N 2830/008 (2013.01)

Citation (search report)

- [XY] WO 9625507 A2 19960822 - US HEALTH [US], et al
- [X] WO 9740180 A1 19971030 - BOEHRINGER INGELHEIM INT [DE], et al
- [E] WO 0015648 A1 20000323 - UAB RESEARCH FOUNDATION [US]
- [A] DERROW S ET AL: "Apoptosis induction by adenovirus-bclx-s: A rational strategy for bladder cancer gene therapy", PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, vol. 38, no. 0, 1997, & EIGHTY-EIGHTH ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH; SAN DIEGO, CALIFORNIA, USA; APRIL 12-16, 1997, pages 11, XP002282532, ISSN: 0197-016X
- [A] DERROW SOL ET AL: "Apoptosis induction by adenovirus-BCLX-S: A rational strategy for bladder cancer gene therapy", JOURNAL OF UROLOGY, vol. 157, no. 4 SUPPL., 1997, & 92ND ANNUAL MEETING OF THE AMERICAN UROLOGICAL ASSOCIATION; NEW ORLEANS, LOUISIANA, USA; APRIL 12-17, 1997, pages 310, XP008031086, ISSN: 0022-5347
- [D] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1996, ZHA HONGBIN ET AL: "Proapoptotic protein bax heterodimerizes with Bcl-2 and homodimerizes with bax via a novel domain (BH3) distinct from BH1 and BH2", XP002282529, Database accession no. PREV199698772776 & JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 13, 1996, pages 7440 - 7444, ISSN: 0021-9258
- [D] DATABASE BIOSIS [online] BIOSCIENCES INFORMATION SERVICE, PHILADELPHIA, PA, US; 1996, SIMONIAN PHILIP L ET AL: "Bax homodimerization is not required for bax to accelerate chemotherapy-induced cell death", XP002282530, Database accession no. PREV199799338036 & JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 50, 1996, pages 32073 - 32077, ISSN: 0021-9258
- [D] DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; December 1993 (1993-12-01), KORSMEYER S J ET AL: "Bcl-2/Bax: a rheostat that regulates an anti-oxidant pathway and cell death.", XP002282531, Database accession no. NLM8142617 & SEMINARS IN CANCER BIOLOGY. DEC 1993, vol. 4, no. 6, December 1993 (1993-12-01), pages 327 - 332, ISSN: 1044-579X
- [P] "RETROVIRAL BAX GENE TRANSFER FAILS TO SENSITIZE MALIGNANT GLIOMA CELLS TO CD95L-INDUCED APOPTOSIS AND CANCER CHEMOTHERAPY", INTERNATIONAL JOURNAL OF CANCER, NEW YORK, NY, US, vol. 77, August 1998 (1998-08-01), pages 645 - 648, XP002922344, ISSN: 0020-7136
- [D] BOISE L H ET AL: "BCL-X, A BCL-2-RELATED GENE THAT FUNCTIONS AS A DOMINANT REGULATOR OF APOPTOTIC CELL DEATH", CELL, CELL PRESS, CAMBRIDGE, MA, US, vol. 74, 27 August 1993 (1993-08-27), pages 597 - 608, XP002018919, ISSN: 0092-8674
- [P] KAGAWA S ET AL: "Induction of bax gene expression by adenoviral mediated gene codelivery", PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, vol. 40, March 1999 (1999-03-01), & 90TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH; PHILADELPHIA, PENNSYLVANIA, USA; APRIL 10-14, 1999, pages 218, XP002282528, ISSN: 0197-016X
- See references of WO 9946371A2

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 9946371 A2 19990916; WO 9946371 A3 20000824; WO 9946371 A9 20000217; AU 3183799 A 19990927; AU 762493 B2 20030626; CA 2322663 A1 19990916; EP 1070122 A2 20010124; EP 1070122 A4 20041110

DOCDB simple family (application)

US 9905359 W 19990311; AU 3183799 A 19990311; CA 2322663 A 19990311; EP 99913854 A 19990311