

Title (en)

USE OF A TRUNCATED ELF-5A1 POLYNUCLEOTIDE TO INDUCE APOPTOSIS IN CANCER CELLS

Title (de)

VERWENDUNG EINES TRUNKIERTEN ELF-5A1-POLYNUCLEOTIDS ZUR EINLEITUNG VON APOPTOSE BEI KREBSZELLEN

Title (fr)

UTILISATION D'UN POLYNUCLÉOTIDE ELF-5A1 TRONQUÉ POUR INDUIRE L'APOPTOSE DANS DES CELLULES CANCÉREUSES

Publication

**EP 2331142 A4 20120829 (EN)**

Application

**EP 09812189 A 20090902**

Priority

- US 2009055791 W 20090902
- US 9374908 P 20080903
- US 40074209 A 20090309

Abstract (en)

[origin: WO2010028093A2] The present invention relates to the combinatorial use of an siRNA targeted against an endogenous gene to knock out or knock down expression of the endogenous gene in a host and a delivery of a polynucleotide encoding the gene in a delivery vehicle/expression vector to the host to provide expression in the host of the protein encoded by the polynucleotide. The present invention also relates to a truncated form of eIF-5A1 that is useful for inducing apoptosis and killing of cells, especially cancer cells in a mammal.

IPC 8 full level

**A61K 48/00** (2006.01); **A61K 31/7105** (2006.01); **A61K 39/235** (2006.01); **A61P 35/00** (2006.01)

CPC (source: EP)

**A61K 31/7105** (2013.01); **A61K 48/0041** (2013.01); **A61K 48/005** (2013.01); **A61P 35/00** (2017.12); **A61P 43/00** (2017.12); **C12N 15/111** (2013.01); **C12N 15/113** (2013.01); **C12N 2310/14** (2013.01); **C12N 2320/31** (2013.01); **C12N 2799/022** (2013.01); **C12N 2830/008** (2013.01)

Citation (search report)

- [I] WO 2006060823 A2 20060608 - SENESCO TECHNOLOGIES INC [US]
- [A] VERIDIANA S P CANO ET AL: "Mutational analyses of human eIF5A-1 - identification of amino acid residues critical for eIF5A activity and hypusine modification", FEBS JOURNAL, BLACKWELL PUBLISHING, LONDON, GB, vol. 275, no. 1, 1 January 2008 (2008-01-01), pages 44 - 58, XP008144924, ISSN: 1742-464X, DOI: 10.1111/J.1742-4658.2007.06172X
- See references of WO 2010028093A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010028093 A2 20100311**; **WO 2010028093 A3 20100805**; AR 073274 A1 20101028; AU 2009288092 A1 20100311; CA 2735823 A1 20100311; CN 102202693 A 20110928; EP 2331142 A2 20110615; EP 2331142 A4 20120829; JP 2012501650 A 20120126; TW 201023898 A 20100701

DOCDB simple family (application)

**US 2009055791 W 20090902**; AR P090103378 A 20090902; AU 2009288092 A 20090902; CA 2735823 A 20090902; CN 200980143782 A 20090902; EP 09812189 A 20090902; JP 2011526177 A 20090902; TW 98129755 A 20090903