

Title (en)

STRESS-RESPONSIVE INDUCTION OF A THERAPEUTIC AGENT AND METHODS OF USE

Title (de)

STRESS-VERMITTELTE INDUKTION EINES THERAPEUTISCHEN WIRKSTOFFS SOWIE VERWENDUNGSVERFAHREN

Title (fr)

INDUCTION D'AGENT THERAPEUTIQUE EN REPONSE A UN STRESS ET PROCEDES CORRESPONDANT

Publication

EP 1194527 A4 20040414 (EN)

Application

EP 00948536 A 20000628

Priority

- US 0017885 W 20000628
- US 14150599 P 19990628

Abstract (en)

[origin: WO0100791A1] This invention relates to compositions and methods for selective expression of a heterologous nucleic acid sequence in a targeted tissue, and more particularly to the glucose regulated protein 78 (grp78) stress-responsive promoter and its use in gene therapy and the production of transgenic animals.

IPC 1-7

C12N 5/00; C12N 15/00; C12N 15/63; C12N 15/09; A01N 43/04; A61K 31/70

IPC 8 full level

C07K 14/47 (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP)

C07K 14/47 (2013.01); **A01K 2217/05** (2013.01); **A61K 48/00** (2013.01); **C12N 2799/027** (2013.01)

Citation (search report)

- [XY] KYU SEONG KIM ET AL: "EXPRESSION OF THE GLUCOSE-REGULATED PROTEINS (GRP94 AN GRP78) IN DIFFERENTIATED AND UNDIFFERENTIATED MOUSE EMBRYONIC CELLS AND THE USE OF THE GRP78 PROMOTER AS AN EXPRESSION SYSTEM IN EMBRYONIC CELLS", DIFFERENTIATION, SPRINGER VERLAG, DE, vol. 42, no. 3, February 1990 (1990-02-01), pages 153 - 159, XP001077510, ISSN: 0301-4681
- [XY] ROY B ET AL: "THE MAMMALIAN ENDOPLASMIC RETICULUM STRESS RESPONSE ELEMENT CONSISTS OF AN EVOLUTIONARILY CONSERVED TRIPARTITE STRUCTURE AND INTERACTS WITH A NOVEL STRESS-INDUCIBLE COMPLEX", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 27, no. 6, 1999, pages 1437 - 1443, XP000887379, ISSN: 0305-1048
- [XY] YOSHIDA H ET AL: "IDENTIFICATION OF THE CIS-ACTING ENDOPLASMIC RETICULUM STRESS RESPONSE ELEMENT RESPONSIBLE FOR TRANSCRIPTIONAL INDUCTION OF MAMMALIAN GLUCOSE-REGULATED PROTEINS", JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 273, no. 50, 1998, pages 33741 - 33749, XP000887378, ISSN: 0021-9258
- See references of WO 0100791A1

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 0100791 A1 20010104; WO 0100791 A9 20020725; AU 6201500 A 20010131; CA 2377434 A1 20010104; EP 1194527 A1 20020410; EP 1194527 A4 20040414; HK 1044568 A1 20021025

DOCDB simple family (application)

US 0017885 W 20000628; AU 6201500 A 20000628; CA 2377434 A 20000628; EP 00948536 A 20000628; HK 02106212 A 20020823