

Title (en)
ISOLATION OF A NOVEL SENESENCE-FACTOR GENE, p23

Title (de)
ISOLIERUNG EINES NEUEN ALTERUNGSFAKTOR-GENS, p23

Title (fr)
ISOLEMENT D'UN NOUVEAU GENE p23 DU FACTEUR DE SENESENCE

Publication
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Application
EP 98938406 A 19980805

Priority
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Abstract (en)
[origin: WO9907893A1] Provided are an isolated senescence-related nucleic acid molecule encoding a 23 kilodalton polypeptide (p23), methods for expressing the 23 kilodalton polypeptide in cultured cells, recombinant p23 polypeptides, expression vectors and host cells expressing p23, and antibodies against p23. Also provided are methods for using p23 to modulate senescence, and for determining p23 expression in biological samples.

IPC 1-7
C12Q 1/68; C12P 21/00; C12N 15/63; C07H 21/04; C07K 16/00

IPC 8 full level
C12N 15/09 (2006.01); **C07K 14/435** (2006.01); **C07K 14/47** (2006.01); **C07K 14/705** (2006.01); **C07K 16/18** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12P 21/02** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/68** (2006.01); **A61K 38/00** (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP KR)
C07K 14/47 (2013.01 - EP); **C07K 14/4738** (2013.01 - EP); **C07K 14/705** (2013.01 - EP); **C12N 15/10** (2013.01 - KR); **A61K 38/00** (2013.01 - EP); **A61K 48/00** (2013.01 - EP)

Citation (search report)

- [DA] WO 9613610 A2 19960509 - GERON CORP [US]
- [X] JONASDOTTIR A. ET AL.: "Refinement of the dominant optic atrophy locus (OPA1) to a 1.4-cM interval on chromosome 3q28-3q29 within a 3-Mb YAC contig", ORIGINAL INVESTIGATION, vol. 99, 1997, pages 115 - 120, XP002217491
- [X] SMITH D. ET AL.: "Localization of 616 human chromosome 3-specific cosmids using a somatic cell hybrid deletion mapping panel", GENOMICS, vol. 11, September 1991 (1991-09-01), pages 179 - 187, XP001107125
- [L] DATABASE EMBL [online] 5 May 2000 (2000-05-05), "A human molecule associated with apoptosis 2 (MAPOP-2)", XP002217493, retrieved from EBI Database accession no. AAY68679 & WO 0000609 A2 20000106 - INCYTE PHARMA INC [US], et al
- [L] DATABASE EMBL [online] 5 May 2000 (2000-05-05), "cDNA encoding a human molecule associated with apoptosis 2 (MAPOP-2)", XP002217494, retrieved from EBI Database accession no. AAZ60459 & WO 0000609 A2 20000106 - INCYTE PHARMA INC [US], et al
- [L] DATABASE EMBL [online] 15 June 1999 (1999-06-15), "Human Tango-73 protein", XP002217495, retrieved from EBI Database accession no. AAY04143 & WO 9907850 A1 19990218 - MILLENNIUM BIOTHERAPEUTICS INC [US]
- [L] DATABASE EMBL [online] 15 June 1999 (1999-06-15), "Human Tango-73 encoding cDNA", XP002217496, retrieved from EBI Database accession no. AAX19956 & WO 9907850 A1 19990218 - MILLENNIUM BIOTHERAPEUTICS INC [US]
- [L] DATABASE EMBL [online] 7 December 1999 (1999-12-07), "Human PRO944 protein sequence", XP002217497, retrieved from EBI Database accession no. AAY41726 & WO 9946281 A2 19990916 - GENENTECH INC [US], et al
- [L] DATABASE EMBL [online] 7 December 1999 (1999-12-07), "Human PRO944 nucleotide sequence", XP002217498, retrieved from EBI Database accession no. AAZ34118 & WO 9946281 A2 19990916 - GENENTECH INC [US], et al
- [T] SWISSELM K ET AL: "SEMP1, a senescence-associated cDNA isolated from human mammary epithelial cells, is a member of an epithelial membrane protein superfamily", GENE, ELSEVIER BIOMEDICAL PRESS. AMSTERDAM, NL, vol. 226, no. 2, 21 January 1999 (1999-01-21), pages 285 - 295, XP004155143, ISSN: 0378-1119
- [PA] FURUSE M ET AL: "CLAUDIN-1 AND -2: NOVEL INTEGRAL MEMBRANE PROTEINS LOCALIZING AT TIGHT JUNCTIONS WITH NO SEQUENCE SIMILARITY TO OCCLUDIN", JOURNAL OF CELL BIOLOGY, ROCKEFELLER UNIVERSITY PRESS, NEW YORK, US, US, vol. 141, no. 7, 29 June 1998 (1998-06-29), pages 1539 - 1550, XP001008152, ISSN: 0021-9525
- [A] LINSKENS M H K ET AL: "CATALOGING ALTERED GENE EXPRESSION IN YOUNG AND SENESCENT CELLS USING ENHANCED DIFFERENTIAL DISPLAY", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 23, no. 16, 1995, pages 3244 - 3251, XP002047039, ISSN: 0305-1048
- See references of WO 9907893A1

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