

Title (en)

FIBROBLAST GROWTH FACTOR-14

Title (de)

FIBROBLASTEN-WACHSTUMSFAKTOR-14

Title (fr)

FACTEUR DE CROISSANCE DES FIBROBLASTES 14

Publication

EP 0833904 A4 20000517 (EN)

Application

EP 95921454 A 19950605

Priority

- CA 2212992 A 19950605
- US 9506730 W 19950605

Abstract (en)

[origin: WO9639506A1] Disclosed is a human Fibroblast growth factor-14 polypeptide and DNA (RNA) encoding such polypeptide. Also provided is a procedure for producing such polypeptide by recombinant techniques. Also disclosed are methods for utilizing such polypeptide for promoting wound healing, for example as a result of burns and ulcers, to prevent neuronal damage due to/associated with stroke and promote neuronal growth, and to prevent skin aging and hair loss, to stimulate angiogenesis, mesodermal induction in early embryos and limb regeneration. Antagonists against such polypeptides and their use as a therapeutic to prevent abnormal cellular proliferation, hyper-vascular diseases and epithelial lens cell proliferation are also disclosed. Diagnostic methods for detecting mutations in the coding sequence and alterations in the concentration of the polypeptides in a sample derived from a host are also disclosed.

IPC 1-7

C12N 15/12; **C12N 15/18**; **C07K 14/50**

IPC 8 full level

C07K 14/50 (2006.01); **C12N 15/12** (2006.01); **A61K 38/00** (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP)

C07K 14/50 (2013.01); **A61K 38/00** (2013.01); **A61K 48/00** (2013.01); **C12N 2799/026** (2013.01)

Citation (search report)

- [X] DATABASE EMBL NUCLEOTIDE SEQU 1 January 1900 (1900-01-01), XP002131010, Database accession no. T27215
- [A] GOSPODAROWICZ, D.: "Fibroblast growth factors: from genes to clinical applications", CELL BIOLOGY REVIEWS, vol. 25, no. 4, 1991, pages 307 - 314, XP002058994
- [T] SMALLWOOD, P.M. ET AL.: "Fibroblast growth factor (FGF) homologous factors: New members of the FGF family implicated in nervous system development", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 93, no. 18, 3 September 1996 (1996-09-03), pages 9850 - 9857, XP002058996

Citation (examination)

- GALZIE Z. ET AL: "Fibroblast growth factors and their receptors", BIOCHEM. CELL BIOL., vol. 75, 1997, pages 669 - 685, XP002144481, DOI: doi:10.1139/bcb-75-6-669
- SZEKENYI G.; FALLON F.: "Fibroblast growth factors as multifunctional signaling factors", INTERNATIONAL REVIEW OF CYTOLOGY, vol. 185, 1999, pages 45 - 106, XP001038510
- See also references of WO 9639506A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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