

Title (en)
NUCLEOTIDE AND PROTEIN SEQUENCES OF LIVER ACTIVIN/INHIBIN AND METHODS BASED THEREON

Title (de)
NUKELOTID- UND PROTEINSEQUENZEN VON LEBER-ACTIVIN/INHIBIN UND DARAUF BASIERENDE VERFAHREN

Title (fr)
SEQUENCES NUCLEOTIDIQUES ET PROTEIQUES D'ACTIVINE/INHIBINE DU FOIE ET PROCEDES AFFERENTS

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Application
EP 97950609 A 19971120

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• US 75291996 A 19961120

Abstract (en)
[origin: WO9822492A1] The present invention relates to the discovery, identification and characterization of a novel subgroup of activins/inhibins, herein referred to as liver activins, that during vertebrate adult life are specifically expressed in the liver. The invention relates to the activin beta C and beta E subunits and other members of the liver activin subgroup. The invention encompasses liver activin nucleotides; liver activin genomic regulatory elements that regulate the expression of liver activins; host cell expression systems; liver activin proteins, fusion proteins, polypeptides and peptides; antibodies to liver activin protein, transgenic animals that express a liver activin; recombinant knock-out animals that do not express liver activin(s); antagonists and agonists of the liver activins; and other compounds that modulate liver activin gene expression activity to regulate cell growth and/or differentiation and to diagnose and treat abnormalities related thereto. In addition, the present invention encompasses methods and compositions for the regulation of cell growth and/or differentiation including, but not limited to, stimulating liver regeneration, bone growth and hematopoiesis.

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IPC 8 full level
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Citation (search report)
• [PX] FANG J ET AL: "GENES CODING FOR MOUSE ACTIVIN BETAC AND BETAE ARE CLOSELY LINKED AND EXHIBIT A LIVER-SPECIFIC EXPRESSION PATTERN IN ADULT TISSUES", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS,US,ACADEMIC PRESS INC. ORLANDO, FL, vol. 231, 1997, pages 655 - 661, XP000882729, ISSN: 0006-291X
• [AX] HOETTEN G ET AL: "CLONING OF A NEW MEMBER OF THE TGF-BETA FAMILY: A PUTATIVE NEW ACTIVIN BETAC CHAIN", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS,US,ACADEMIC PRESS INC. ORLANDO, FL, vol. 206, no. 2, 17 January 1995 (1995-01-17), pages 608 - 613, XP000857726, ISSN: 0006-291X
• See references of WO 9822492A1

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