

Title (en)

SMAD BINDING ELEMENTS AND USES THEREOF

Title (de)

SMAD BINDENDE ELEMENTE UND IHRE VERWENDUNG

Title (fr)

ELEMENTS FIXATEURS DE LA PROTEINE SMAD ET LEURS APPLICATIONS

Publication

EP 1058729 A1 20001213 (EN)

Application

EP 99911099 A 19990303

Priority

- US 9904740 W 19990303
- US 7694298 P 19980303

Abstract (en)

[origin: WO9945113A1] The invention provides isolated nucleic acids including one or more Smad binding elements (SBEs) and Smad proteins and fragments thereof which bind to Smad binding elements. The invention also provides TGF beta response elements which confer TGF beta superfamily responsiveness to genes which have such elements in transcriptional control regions. Also provided are methods for using the Smad binding elements in methods of screening for compounds which bind the Smad binding element and in methods for modulating the binding of Smad proteins to Smad binding elements, e.g. to modulate TGF beta signal transduction. Further, the identification of a mammalian Smad binding sequence permits identification of the SBE binding determinants of Smad proteins.

IPC 1-7

C12N 15/12; **C12N 15/62**; **C12N 15/85**; **C12N 15/11**; **C12N 5/10**; **C12N 5/12**; **C12Q 1/68**; **A61K 39/395**; **A61K 48/00**; **A61K 38/17**

IPC 8 full level

C07K 14/47 (2006.01); **C12N 15/12** (2006.01); **A61K 38/00** (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP)

C07K 14/4702 (2013.01); **A61K 38/00** (2013.01); **A61K 48/00** (2013.01); **C07K 2319/00** (2013.01)

Citation (search report)

See references of WO 9945113A1

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 9945113 A1 19990910; AU 2982599 A 19990920; EP 1058729 A1 20001213

DOCDB simple family (application)

US 9904740 W 19990303; AU 2982599 A 19990303; EP 99911099 A 19990303