

Title (en)

THE USE OF A BONE MORPHOGENETIC PROTEIN (BMP) RECEPTOR COMPLEX FOR SCREENING

Title (de)

DIE VERWENDUNG VON BMP-PROTEIN-REZEPTOR KOMPLEXEN ZUR AUFFINDUNG VON SUBSTANZEN DIE ZELLULARE DIFFERENZIERUNG INDUZIEREN UND ZELLEN DIE MIT EINEM ACTIVIN-REZEPTOR CO-TRANSFIZIERT SIND

Title (fr)

UTILISATION D'UN COMPLEXE RECEPTEUR DE PROTEINE MORPHOGENETIQUE OSSEUSE (BMP) A DES FINS DE SELECTION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9852038A1] The present invention relates to the use of a type II receptor that is shared between activins and bone morphogenetic proteins, together with a bone morphogenetic protein type I receptor, for screening cellular differentiation actives. The invention further relates to cells comprising DNA coding for this receptor and to that DNA. The present invention relates to a method for determining whether a compound is capable of binding to a new BMP complex and whether a test compound produces a signal upon binding to this BMP receptor protein complex. The invention further relates to a method for determining the concentration of a BMP receptor ligand in a clinical sample using a new BMP complex. The invention further relates to a host cell co-transfected with an expression vector comprising a DNA sequence that codes for components of this complex, or soluble fragments thereof.

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