

Title (en)
METHOD FOR THE DETECTION OF COMPOUNDS THAT MODULATE THE EFFECTS OF THE OBESE (OB) PROTEIN

Title (de)
VERFAHREN ZUM NACHWEIS ZUR MODULATION DER EFFEKTE VOM OBESITÄTS-(OB)-PROTEIN

Title (fr)
PROCEDE POUR LA DETECTION DE COMPOSES MODULANT LES EFFETS DE LA PROTEINE DE L'OBESE (OB)

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- GB 9622870 A 19961101
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Abstract (en)
[origin: WO9820158A1] A method for the detection of a compound that mimics, potentiates or inhibits the physiological effect of the ob-protein, which method comprises: (a) for a compound which mimics the physiological effect of the ob-protein, assessing the effect of the compound upon an ob-protein activated signal transducer and activator of transcription (STAT) DNA response element coupled to a reporter gene; or (b) for a compound which potentiates or inhibits the physiological effect of the ob-protein, assessing the effect of the compound upon the response provided by ob-protein upon an ob-protein activated STAT DNA response element coupled to a reporter gene; wherein, the response element and the reporter being expressed in an ob-protein responsive cell line, which cell line is selected from the list consisting of: a hypothalamic derived cell line; a pheochromocytoma derived cell line; a haematopoietic derived cell line; a pancreatic derived cell line; a liver derived cell line; a preadipocyte derived cell line; a skeletal muscle derived cell line; and an ovarian derived cell line; or the response element and the reporter are expressed in a cell line, which cell line (the engineered cell line) is also transfected with a polypeptide which is capable of mediating the stimulation by ob-protein of an ob-protein activated STAT DNA response element and contains the appropriate STAT proteins.

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