

Title (en)

INTERACTING POLYPEPTIDE COMPRISING A HEPTAPEPTIDE PATTERN AND A CELLULAR PENETRATION DOMAIN

Title (de)

WECHSELWIRKENDE POLYPEPTIDE MIT HEPTAPEPTIDMUSTER UND EINER ZELLULÄREN PENETRATIONSDOMÄNE

Title (fr)

POLYPEPTIDE D'INTERACTION COMPRENANT UN MOTIF HEPTAPEPTIDIQUE ET UN DOMAINE DE PENETRATION CELLULAIRE

Publication

**EP 1668037 A1 20060614 (FR)**

Application

**EP 04787492 A 20040930**

Priority

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Abstract (en)

[origin: WO2005033147A1] The invention relates to an interacting polypeptide consisting of or comprising a heptapeptide pattern of sequence X1X2X3X4X5X6X7 and a transduction domain, characterized in that it is a chimera polypeptide, the amino acid X7 is located between 5 and 35 amino acids of the C-terminal end of said polypeptide, and that the domain (b) is situated in C-terminal relative to pattern (a). The invention also relates to screening methods for identifying interacting polypeptides capable of modifying the phenotype of a cell and to uses of interacting polypeptides as mentioned in phenotypic screens or for therapeutic purposes. Lastly, the invention concerns interacting polypeptides capable of modifying the function of the HIV-1 Rev viral protein.

IPC 1-7

**C07K 19/00**; **C12N 15/62**; **C12N 15/09**; **A61K 38/00**; **G01N 33/68**; **C12Q 1/00**

IPC 8 full level

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CPC (source: EP US)

**A61P 31/18** (2017.12 - EP); **C07K 19/00** (2013.01 - EP US); **G01N 33/56988** (2013.01 - EP US); **G01N 2500/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2005033147A1

Citation (examination)

- YUAN K ET AL: "Suppression of SARS-CoV entry by peptides corresponding to heptad regions on spike glycoprotein", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 319, no. 3, 2 July 2004 (2004-07-02), pages 746 - 752, XP004512502, ISSN: 0006-291X, DOI: 10.1016/J.BBRC.2004.05.046
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- HOPPE-SEYLER F ET AL: "Peptide aptamers: Powerful new tools for molecular medicine", JOURNAL OF MOLECULAR MEDICINE, SPRINGER VERLAG, DE, vol. 78, no. 8, 1 January 2000 (2000-01-01), pages 426 - 430, XP002413234, ISSN: 0946-2716, DOI: 10.1007/S001090000140

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