

Title (en)
METHODS AND COMPOSITIONS FOR MODIFYING ASSEMBLY-ACTIVATING PROTEIN (APP)-DEPENDENCE OF VIRUSES

Title (de)
VERFAHREN UND ZUSAMMENSETZUNGEN ZUR MODIFIZIERUNG DER ASSEMBLY-ACTIVATING-PROTEIN (APP)-ABHÄNGIGKEIT VON VIREN

Title (fr)
PROCÉDÉS ET COMPOSITIONS POUR MODIFIER LA DÉPENDANCE À UNE PROTÉINE ACTIVANT L'ASSEMBLAGE (APP) DE VIRUS

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Application
EP 18799088 A 20180510

Priority

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Abstract (en)
[origin: CN110831611A] This disclosure describes and demonstrates the utility of a particular sequence motif within an Adeno-associated virus (AAV) capsid protein that enables the assembly-activating protein (AAP)-dependence of the AAV to be modified. Thus, this sequence motif can be use to address and alleviate at least one of the bottlenecks encountered in the production of virus vectors. In particular, this disclosure describes a minimal motif defined through a novel phenotype-to-phylogeny mapping method that can be used to modify the AAP dependence of a virus.

IPC 8 full level
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CPC (source: EP)
C07K 14/005 (2013.01); **C12N 15/86** (2013.01); **C12N 2750/14122** (2013.01); **C12N 2750/14143** (2013.01); **C12N 2750/14151** (2013.01)

Citation (search report)

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- [A] M. NAUMER ET AL: "Properties of the Adeno-Associated Virus Assembly-Activating Protein", JOURNAL OF VIROLOGY, vol. 86, no. 23, 1 December 2012 (2012-12-01), US, pages 13038 - 13048, XP055372879, ISSN: 0022-538X, DOI: 10.1128/JVI.01675-12
- [XP] MAURER ANNA C. ET AL: "The Assembly-Activating Protein Promotes Stability and Interactions between AAV's Viral Proteins to Nucleate Capsid Assembly", CELL REPORTS, vol. 23, no. 6, 8 May 2018 (2018-05-08), US, pages 1817 - 1830, XP055774488, ISSN: 2211-1247, DOI: 10.1016/j.celrep.2018.04.026
- See references of WO 2018209154A1

Designated contracting state (EPC)
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