

Title (en)
HUMAN FIBROBLAST GROWTH FACTOR RECEPTOR 1 IS A CO-RECEPTOR FOR INFECTION BY ADENO-ASSOCIATED VIRUS 2

Title (de)
MENSCHLICHER FIBROBLASTEN-WACHSTUMSFAKTOR-REZEPTOR 1 ALS CO-REZEPTOR ZUR INFEKTION MIT EINEM ADENO-ASSOZIIERTEM VIRUS

Title (fr)
RECEPTEUR HUMAIN DU FACTEUR DE CROISSANCE DES FIBROBLASTES UTILISE COMME CO-RECEPTEUR DANS L'INJECTION DU VIRUS 2 ASSOCIE AUX ADENOVIRUS

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Abstract (en)
[origin: WO0039311A1] The present invention relates generally to the fields of gene therapy. More particularly, it concerns gene transfer using adeno-associated virus and methods of increasing transcription and promoting replication of transgenes. The present invention shows that AAV requires human fibroblast growth factor receptor 1 (FGFR1) as a co-receptor for successful viral entry into the host cell. Methods and compositions for exploiting this finding in AAV vector-mediated gene therapy are disclosed.

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