ABSTRACT

ADENO-ASSOCIATED VIRUS (AAV) CLADE F VECTOR AND USES THEREFOR

A recombinant adeno-associated virus (rAAV) vector comprising an AAVhu68 capsid produced in a production system comprising a nucleotide sequence of SEQ ID NO: 1, or a sequence at least 75% identical thereto which encodes SEQ ID NO:2. The AAVhu68 capsid comprises subpopulations of highly deamidated asparagine residues in asparagine - glycine pairs in the amino acid sequence of SEQ ID NO: 2. Also provided are compositions containing the rAAV and uses thereof. Additionally, rAAV having an engineered AAV capsid comprising at least one subpopulation of vpl or vp2 proteins having a Val at amino acid position 157 with reference to the AAVhu68 vpl numbering are provided.

Figure for publication: None