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(54) Title: AAV VECTORS

(57) Abstract: The present invention relates to an adeno-associated virus (AAV), comprising an insertion of at least 6-8 amino acids between the positions corresponding to position 87 and 588 of SEQ ID NO: 1. Also envisioned are AAVs of the present invention for use as a medicament and pharmaceutical compositions comprising the AAV of the present invention. Further, the present invention relates to an in vitro use of AAV of the present invention for transduction of the nucleus of retinal cells. Also concerned is a method for screening an insertion sequence as well as a peptide obtainable by the method for screening. Also contemplated are kits comprising the AAV of the present invention.



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