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(54) Title: RECOMBINANT AAVS WITH IMPROVED TROPISM AND SPECIFICITY

(57) Abstract: The present disclosure provides a modified AAV capsid protein comprising a targeting peptide in variable region VIII (VR VIII) and/or a peptide segment in variable region I (VR I). The modified AAV capsid protein can form an rAAV, which has a preferred tropism, specificity or biodistribution *in vivo* or *in vitro*. The rAAV of the present disclosure can be used for gene therapies targeted at a specific tissue.

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