Recombinant AAV8 VP1 Protein, His-tagged

Cat. No. VP1-11169A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AAV8 VP1, Recombinant Protein is expressed from E. coli cells. It contains AA Ala 2 - Leu 738 (Accession # Q8JQF8-1). This protein carries a polyhistidine tag at the N-terminus. Predicted N-terminus: Met
Species	AAV8
Source	E. coli
ProteinLength	2-738 aa
Description	Adeno-associated virus is a single-stranded DNA virus and the current scientific consensus is that it does not cause any human disease. It consists of a protein capsid (CAPside) and a 4.7 KB length single stranded DNA genome. The protein capsid consists of three subunits, VP1, VP2, and VP3.
Form	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	The protein has a calculated MW of 83.6 kDa. The protein migrates as 90-120 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE).
Purity	>95% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after

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	reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	AAV8_gp2 capsid protein [Adeno-associated virus - 8]
Official Symbol	VP1
Synonyms	AAV8_gp2; capsid protein
Gene ID	5075992
Protein Refseq	YP_077180
UniProt ID	Q8JQF8

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