

## Recombinant AAV8 VP1 Protein, His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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                                                                                         |
| <b>Species</b>          | AAV8                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 2-738 aa                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 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).                                                                                                             |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | 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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