

Synonym

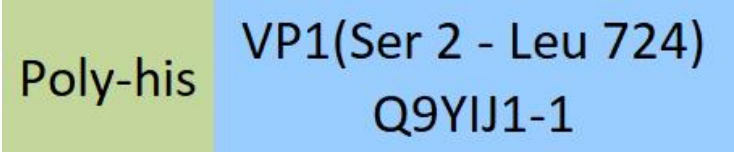
capsid protein

Source

AAV5 VP1, Recombinant Protein(VP1-A5144) is expressed from E. coli cells. It contains AA Ser 2 - Leu 724 (Accession # [Q9YIJ1-1](#)).

Predicted N-terminus: Met

Molecular Characterization



This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 82.3 kDa. The protein migrates as 80-95 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE).

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

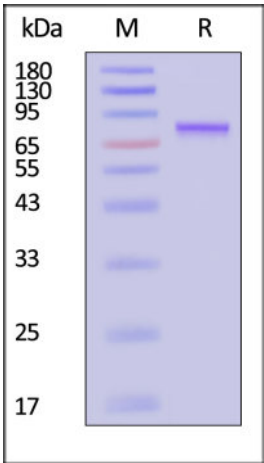
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



AAV5 VP1, Recombinant Protein on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

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.

