

Adeno-associated virus VP1, His Tag, E. coli

Catalog Number	LDG033PVE
Package	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Adeno-associated virus 2 (isolate Srivastava/1982) (AAV-2)

Affinity Tag

His Tag (N-term)

Purity

>95% as determined by SDS-PAGE analysis.

Endotoxin Level

<1 EU per 1 µg of the protein by the LAL method.

Expression System

Escherichia coli

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Molecular weight

The protein has a calculated MW of 82.8 kDa. The protein migrates as 75 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

Adeno-associated virus 2 Capsid protein VP1 is a vital component of the AAV2 viral capsid. It facilitates viral entry into host cells by interacting with cell surface receptors and aids in packaging the viral genome. VP1's structure and interactions with host factors influence viral infectivity and determine the efficacy of AAV2-based gene therapy approaches. Understanding VP1's role is crucial for optimizing vector design and enhancing therapeutic outcomes in gene therapy applications.

Uniprot ID

P03135

Synonyms

Capsid protein VP1

Sequence Note

Met1-Leu735

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image

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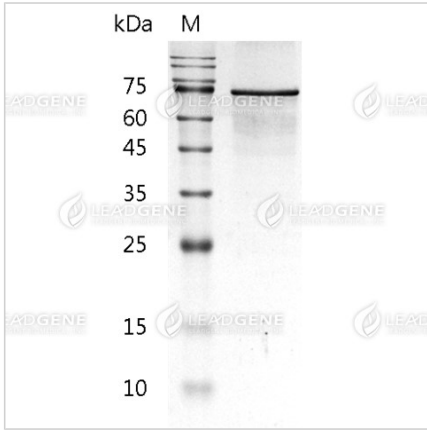
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SDS-PAGE analysis of VP1 protein.

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