

Enterovirus A71 (EV-A71) VP1 Protein, His Tag, E. coli

Catalog Number	LDG029PVE
Package	100 µg / Customized package

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



Specifications

Species of Origin

Enterovirus A71

Expression system

Escherichia coli

Affinity Tag

His Tag (C-term)

Buffer

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

Purity

>95% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 33.76 kDa. The protein migrates as 35 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

Tainan Headquarter

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Background

Enterovirus A71 (EV-A71), a positive-strand RNA virus of the Picornaviridae family, is a persisting global concern. EV-A71 is primarily transmitted through the fecal-oral route, causing hand, foot, and mouth disease (HFMD), severe central nervous system complications, neural damage, and even life-threatening. VP1 is a structural capsid protein consisting of 297 amino acids, promoting infection by binding to specific receptors on the surface of host cells, including P-selectin glycoprotein ligand 1 (PSGL-1), scavenger receptor B2 (SCARB2), annexin II protein, sialylated glycan, and heparan sulfate.

Uniprot ID

#BDI13007.1 (GeneBank ID)

Synonyms

P1D, Virion protein 1

Sequence Note

Gly1-Ser297

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration of 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

Tainan Headquarter

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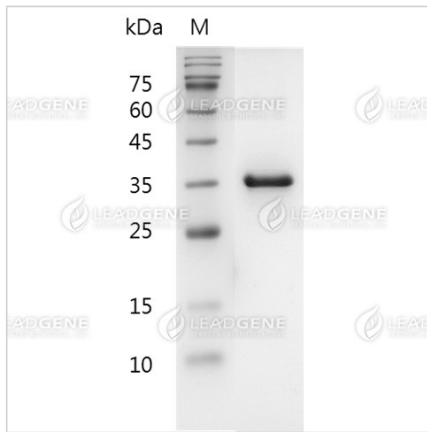
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SDS-PAGE analysis of Enterovirus
A71 (EV-A71) VP1 protein.

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