

## 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

#### Affinity Tag

His Tag (C-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Form

Lyophilized

#### 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 33.76 kDa. The protein migrates as 35 kDa under reducing condition (SDS-PAGE analysis).

### Background

#### Tainan Headquarter

+886-6-2536677

bd@leadgene.com.tw

#### Innovation & Research Center

+886-2-27065528

#### CLD Center

+886-6-2536677

### 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 H<sub>2</sub>O 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:

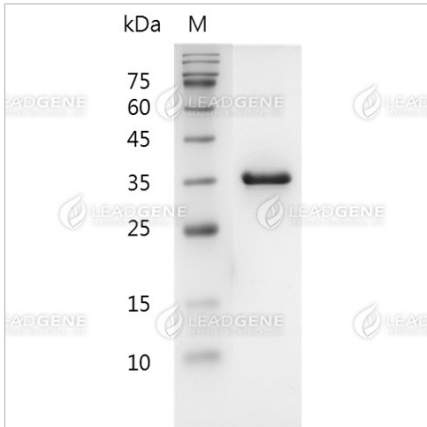
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

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



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

**Disclaimer :** For Research Use or Further Manufacturing Only.