



Source

Human enterovirus 71 (strain USA/BrCr/1970) (EV71) VP0 Protein, His Tag (VP0-V5244) is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Gln 323 (Accession # [Q66478-1](#)).

Predicted N-terminus: His

Molecular Characterization

Poly-his VP0(Met 1 - Gln 323)
Q66478-1

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

The protein has a calculated MW of 37.1 kDa. The protein migrates as 65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% 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

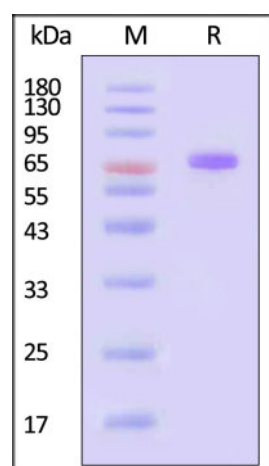
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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



Human enterovirus 71 (strain USA/BrCr/1970) (EV71) VP0 Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Background

EV71, full name enterovirus 71, is a kind of human enterovirus, one of the main pathogens of infantile hand, foot and mouth disease, and can also cause herpangina and other diseases. In recent years, EV71 infection was the main cause of severe cases and deaths of HFMD reported in China. After maturation, capsid protein VP0

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Human enterovirus 71 (strain USA/BrCr/1970) (EV71) VP0 Protein, His Tag

Catalog # VP0-V5244



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was cleaved into capsid shell proteins VP4 and VP2. Capsid protein VP2 and VP1 together interact with host cell receptor SCARB2 to provide virion attachment to target host cells.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

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