

Recombinant Human enterovirus 71 (strain USA/BrCr/1970) (EV71) VP0 Protein, His-tagged

Cat. No. VP0-11166H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human enterovirus 71 (strain USA/BrCr/1970) (EV71) VP0 Protein, His Tag is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Gln 323 (Accession # Q66478-1). This protein carries a polyhistidine tag at the N-terminus. Predicted N-terminus: His
Species	Human enterovirus 71
Source	InsectCells
ProteinLength	1-323 aa
Description	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 was cleaved into garment 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.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Molecular Mass	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	Less than 1.0 EU/μg by the LAL method/rFC method.
Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	VP0 (EV71)
Synonyms	enterovirus 71; VP0; EV71
UniProt ID	Q66478

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