

Recombinant EV-A71 VP1 Protein (Gly1-Ser297), C-His tagged, Animal-free, Carrier-free

Cat. No. VP1-327E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Enterovirus A71 VP1 Protein (Gly1-Ser297) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	EV-A71
Source	E.coli
ProteinLength	Gly1-Ser297
Description	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.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 33.76 kDa. The protein migrates as 35 kDa under reducing condition (SDS-PAGE analysis).
Purity	>95% as determined by SDS-PAGE analysis.

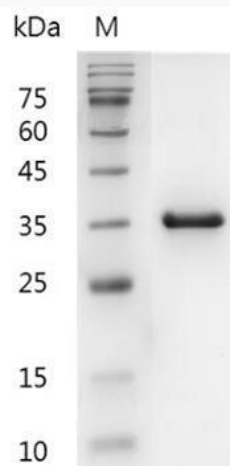
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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.
GENE INFORMATION	
Official Symbol	VP1
Synonyms	VP1

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



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