

Recombinant Coxsackievirus A16 (strain G-10) VP0 Protein, His-tagged

Cat. No. HEVAgp1-11165C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Coxsackievirus A16 (strain G-10) VP0 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Gly 2 - Gln 323 (Accession # Q65900-1). This protein carries a polyhistidine tag at the C-terminus.
Species	Coxsackievirus A16
Source	HEK293
ProteinLength	2-323 aa
Description	Cox A16 infection is very common in China, and the pathogenicity of Cox A16 is significantly different from enterovirus 71. Cox A16 can induce the production of a variety of micribonucleic acid, which affects the conduction of inflammatory signaling pathway, leading to the occurrence of pathological damage. Cox A16 capsid protein VP1, as an important target protein, interacts with host cell receptors 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 37.6 kDa. The protein migrates as 40-65 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/µg by the LAL method/rFC method.

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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

Gene Name	HEVAgp1 genome polyprotein [Enterovirus A]
Official Symbol	HEVAgp1
Synonyms	HEVAgp1; genome polyprotein; genome polyprotein; VP4 (1A); VP2 (1B); VP3 (1C); VP1 (1D); protease 2A; protien 2B; protein 2C; protein 3A; 3B; protease 3C; 3D
Gene ID	1461111
Protein Refseq	NP_042242
UniProt ID	Q65900

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