



Recombinant Rotavirus A Intermediate capsid protein VP6

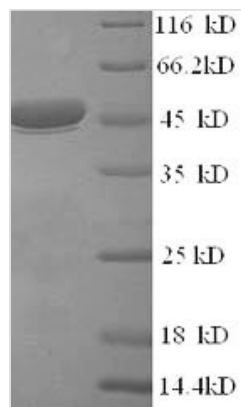
Product Code	CSB-YP321618RGK
Relevance	Intermediate capsid protein that self assembles to form an icosahedral capsid with a T=13 symmetry, which consists of 230 trimers of VP6, with channels at each of its five-fold vertices. This capsid constitutes the middle concentric layer of the viral mature particle. The innermost VP2 capsid and the intermediate VP6 capsid remain intact following cell entry to protect the dsRNA from degradation and to prevent unfavorable antiviral responses in the host cell during all the replication cycle of the virus. Nascent transcripts are transcribed within the structural confines of this double-layered particle (DLP) and are extruded through the channels at the five-fold axes. VP6 is required for the transcription activity of the DLP.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P18610
Storage Buffer	Tris-based buffer, 50% glycerol
Product Type	Recombinant Protein
Species	Rotavirus A (strain RVA/Cow/United Kingdom/UK/1975/G6P7[5]) (RV-A)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MDVLYSLSKTLKDARDKIVEGTLYSNVSDLIQQFNQMIITMNGNEFQTGGIGNL PIRNWNFDGFLGTTLLNLDANYVETARNTIDYFVDFVDNVCMDEMVRRESQRN GIAPQSDSLRKLSGIKFKRINFDNSSEYIENWNLQNRRTGTFTFHKPNIFPYS ASFTLNRSQPAHDNLMGTMWLNAGSEIQVAGFDYSCAINAPANTQQFEHIVQL RRVLTATITLLPDAERFSFPRVINSADGATTWYFNPVILRPNNVEVEFLLNGQII NTYQARFGTIIARNFDTIRLSFQLMRPPNMTPAVAALFPNAQPFQATVGLTL RIESAVCESVLADASETMLANVTSVRQEYAIPVGPVFPPGMNWTDLITNYS REDNLQRVFTVASIRSMVLK
Research Area	Others
Source	Yeast
Gene Names	N/A
Protein Names	Recommended name: Intermediate capsid protein VP6
Expression Region	1-397aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 46.9kDa

Protein Description Full Length

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.