Intermediate Capsid Protein VP6 Rotavirus A Recombinant Protein

PRODUCT OVERVIEW

Product Name	Intermediate capsid protein VP6, Recombinant Protein
Full Product Name	Recombinant Rotavirus A Intermediate capsid protein VP6
Product Synonym Names	Intermediate capsid protein VP6
Sequence	MDVLYSLSKT LKDARDKIVE GTLYSNVSDL IQQFNQMIIT MNGNEFQTGG IGNLPIRNWN FDFGLLGTTL LNLDANYVET ARNTIDYFVD FVDNVCMDEM VRESQRNGIA PQSDSLRKLS GIKFKRINFD NSSEYIENWN LQNRRQRTGF TFHKPNIFPY SASFTLNRSQ PAHDNLMGTM WLNAGSEIQV AGFDYSCAIN APANTQQFEH VVQLRRVLTT ATITLLPDAE RFSFPRVINS ADGATTWYFN PVILRPNNVE VEFLLNGQII NTYQARFGTI IARNFDTIRL SFQLMRPPNM TPAVAALFPN AQPFEHHATV GLTLRIESAV CESVLADASE TMLANVTSVR QEYAIPVGPV FPPGMNWTDL ITNYSPSRED NLQRVFTVAS IRSMLVK
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	44,871 Da
Sequence Positions	1-397aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8JTI5
Species	Rotavirus A (strain Cow/United States/WC3/1981 G6-P7[5]-I2-R2-C2-M2-A3-N2-T6-E2-H3) (RV-A) (Rotavirus (strain Wistar calf 3))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Intermediate capsid protein VP6 recombinant protein	MBS1324672 is a recombinant protein targeting Intermediate capsid protein VP6. Also known as Recombinant Rotavirus A Intermediate capsid protein VP6. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Intermediate capsid protein VP6 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Intermediate capsid protein VP6. It may not necessarily be applicable to this product.

NCBI GI #	226698194
NCBI Accession #	Q8JTI5.2
UniProt Primary Accession #	Q8JTI5

NCBI Official Full Name	Intermediate capsid protein VP6
UniProt Protein Name	Intermediate capsid protein VP6
Protein Family	Intermediate capsid protein
UniProt Entry Name	VP6_ROTW3
UniProt Comments for Intermediate capsid protein VP6	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 ().
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