

Intermediate capsid protein VP6 Recombinant Protein | VP6 recombinant protein

Recombinant Rotavirus A Intermediate capsid protein VP6

CATALOG # AAA115640	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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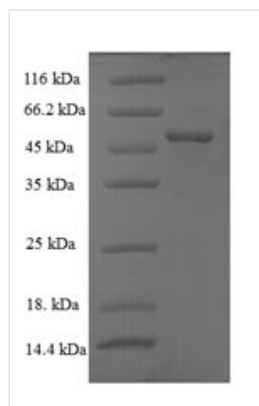
PRODUCT SYNONYMS

Intermediate capsid protein VP6; Recombinant Rotavirus A Intermediate capsid protein VP6; VP6 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-397aa; Full Length Protein
Sequence	MDVLYSLSKT LKDARDKIVE GTLYSNVSDL IQQFNQMIIT MNGNEFQTGG IGNLPIRNWN FDFGLLGTTL LNL DANYVET ARNTIDYFVD FVDNVCMDM VRESQRNGIA PQSDSLIKLS GIKFKRINF NSSEYIENWN LQNRRTGTG TFHKPNIFPY SASFTLNRSQ PAHDNLMGTM WLNAGSEIQV AGFDYSCAIN APANTQQFEH IVQLRRVLT ATITLLPDAE RFSFPRVITS ADGATTWYFN PVILRPNNVE IEFLNGQII NTYQARFGTI IARNFDTIRL SFQLMRPPNM TPAVAALFPN AQPFEHHATV GLTLRIESAV CESVLADASE TMLANVTSVR QEYAI PVGPV FPPGMNWDL ITNYS SPRED NLQRVFTVAS IRSMLVK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for VP6 recombinant protein	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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References	Cloning of bovine rotavirus (RF strain) nucleotide sequence of the gene coding for the major capsid protein.Cohen J., Lefevre F., Estes M.K., Bremont M.Virology 138:178-182(1984) Cohen J.Purification and characterization of bovine rotavirus cores.Bican P., Cohen J., Charpilienne A., Scherrer R.J. Virol. 43:1113-1117(1982) Identification of rotavirus VP6 residues located at the interface with VP2 that are essential for capsid assembly and transcriptase activity.Charpilienne A., Lepault J., Rey F.A., Cohen J.J. Virol. 76:7822-7831(2002) A zinc ion controls assembly and stability of the major capsid protein of rotavirus.Erk I., Huet J.-C., Duarte M., Duquerroy S., Rey F.A., Cohen J., Lepault J.J. Virol. 77:3595-3601(2003) Atomic structure of the major capsid protein of rotavirus implications for the architecture of the virion.Mathieu M., Petitpas I., Navaza J., Lepault J., Kohli E., Pothier P., Prasad B.V.V., Cohen J., Rey F.A.EMBO J. 20:1485-1497(2001)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8247962
UniProt Accession #	P04509
Molecular Weight	46.9 kDa
NCBI Official Full Name	Intermediate capsid protein VP6
UniProt Protein Name	Intermediate capsid protein VP6
UniProt Entry Name	VP6_ROTREF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/intermediate-capsid-protein-vp6-recombinant-protein-e-coli/115640>