Product Datasheet

Recombinant Rotavirus A Intermediate capsid protein VP6

Catalog No: #AP72899

Package Size: #AP72899-1 20ug #AP72899-2 100ug #AP72899-3 1mg

Orders: order@signalwayantibody.com
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Description

Product Name	Recombinant Rotavirus A Intermediate capsid protein VP6
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-397aaSequence Info:Full Length
Accession No.	P04509
Uniprot	P04509
Calculated MW	46.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MDVLYSLSKTLKDARDKIVEGTLYSNVSDLIQQFNQMIITMNGNEFQTGGIGNLPIRNWNFDFGLLGTTLLNLDA NYVETARNTIDYFVDFVDNVCMDEMVRESQRNGIAPQSDSLIKLSGIKFKRINFDNSSEYIENWNLQNRRQRT GFTFHKPNIFPYSASFTLNRSQPAHDNLMGTMWLNAGSEIQVAGFDYSCAINAPANTQQFEHIVQLRRVLTTA TITLLPDAERFSFPRVITSADGATTWYFNPVILRPNNVEIEFLLNGQIINTYQARFGTIIARNFDTIRLSFQLMRPP NMTPAVAALFPNAQPFEHHATVGLTLRIESAVCESVLADASETMLANVTSVRQEYAIPVGPVFPPGMNWTDLI TNYSPSREDNLQRVFTVASIRSMLVK
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Intermediate capsid protein that self assbles 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 rain 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. Nacent 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 .

References

Nucleotide sequence of group antigen (VP6) of the UK tissue culture adapted strain of bovine rotavirus.Tarlow O., McCrae M.A.Nucleic Acids Res. 18:4921-4921(1990)Research Topic:Others

Note: This product is for in vitro research use only