Recombinant Influenza C virus Hemagglutinin-esterase-fusion glycoprotein

Catalog No: #AP72998

Package Size: #AP72998-1 20ug #AP72998-2 100ug #AP72998-3 1mg

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Description

Product Name	Recombinant Influenza C virus Hemagglutinin-esterase-fusion glycoprotein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:15-629aaSequence Info:Extracellular Domain
Accession No.	P03465
Uniprot	P03465
Calculated MW	70.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EKIKICLQKQVNSSFSLHNGFGGNLYATEEKRMFELVKPKAGASVLNQSTWIGFGDSRTDQSNSAFPRSLMSA KTADKFRSLSGGSLMLSMFGPPGKVDYLYQGCGKHKVFYEGVNWSPHAAIDCYRKNWTDIKLNFQKSIYELA SQSHCMSLVNALDKTIPLQVTKGVAKNCNNSFLKNPALYTQEVKPLEQICGEENLAFFTLPTQFGTYECKLHLV ASCYFIYDSKEVYNKRGCGNYFQVIYDSSGKVVGGLDNRVSPYTGNSGDTPTMQCDMLQLKPGRYSVRSSP RFLLMPERSYCFDMKEKGPVTAVQSIWGKGRKSDYAVDQACLSTPGCMLIQKQKPYIGEADDHHGDQEMRE LLSGLDYEARCISQSGWVNETSPFTEEYLLPPKFGRCPLAAKEESIPKIPDGLLIPTSGTDTTVTKPKSRIFGIDD LIIGLLFVAIVEAGIGGYLLGSRKESGGGVTKESAEKGFEKIGNDIQILRSSTNIAIEKLNDRISHDEQAIRDLTLEIE NARSEALLGELGIIRALLVGNISIGLQESLWELASEITNRAGDLAVEVSPGCWIIDNNICDQSCQNFIFKFNETAP VPTIPPLDTKIDLQSDPFYWGSS
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

Binds to the N-acetyl-9-O-acetylneuraminic acid residues on the cell surface, bringing about the attachment of the virus particle to the cell. Plays a major role in the determination of host range restriction and virulence. Class I viral fusion protein. Responsible for penetration of the virus into the cell cytoplasm by mediating the fusion of the mbrane of the endocytosed virus particle with the endosomal mbrane. Low pH in endosomes induce an irreversible conformational change in HEF2, releasing the fusion hydrophobic peptide. Several trimers are required to form a competent fusion pore. Displays a receptor-destroying activity which is a neuraminidate-O-acetyl esterase. This activity cleaves off any receptor on the cell surface, which would otherwise prevent virions release. These cleavages prevent self-aggregation and ensure the efficient spread of the progeny virus from cell to cell .

References

Influenza C virus hemagglutinin comparison with influenza A and B virus hemagglutinins.Nakada S., Creager R.S., Krystal M., Aaronson R.P., Palese P.J. Virol. 50:118-124(1984)Research Topic:Others

Note: This product is for in vitro research use only