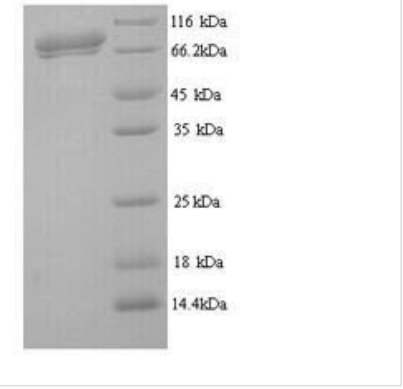
Recombinant Influenza C virus Hemagglutinin-esterase-fusion glycoprotein (HE), partial

Product Code	CSB-YP365951IKD
Relevance	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 .
Abbreviation	Recombinant Influenza C virus Hemagglutinin-esterase-fusion glycoprotein, partial
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.	P03465
Product Type	Recombinant Protein
Immunogen Species	Influenza C virus (strain C/California/1978)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	EKIKICLQKQVNSSFSLHNGFGGNLYATEEKRMFELVKPKAGASVLNQSTWIG FGDSRTDQSNSAFPRSLMSAKTADKFRSLSGGSLMLSMFGPPGKVDYLYQG CGKHKVFYEGVNWSPHAAIDCYRKNWTDIKLNFQKSIYELASQSHCMSLVNAL DKTIPLQVTKGVAKNCNNSFLKNPALYTQEVKPLEQICGEENLAFFTLPTQFGT YECKLHLVASCYFIYDSKEVYNKRGCGNYFQVIYDSSGKVVGGLDNRVSPYTG NSGDTPTMQCDMLQLKPGRYSVRSSPRFLLMPERSYCFDMKEKGPVTAVQSI WGKGRKSDYAVDQACLSTPGCMLIQKQKPYIGEADDHHGDQEMRELLSGLD YEARCISQSGWVNETSPFTEEYLLPPKFGRCPLAAKEESIPKIPDGLLIPTSGTD TTVTKPKSRIFGIDDLIIGLLFVAIVEAGIGGYLLGSRKESGGGVTKESAEKGFEK IGNDIQILRSSTNIAIEKLNDRISHDEQAIRDLTLEIENARSEALLGELGIIRALLVG NISIGLQESLWELASEITNRAGDLAVEVSPGCWIIDNNICDQSCQNFIFKFNETA PVPTIPPLDTKIDLQSDPFYWGSS
Research Area	Others
Source	Yeast
Target Names	HE

Protein Names	Recommended name: Hemagglutinin-esterase-fusion glycoprotein Short name= HEF EC= 3.1.1.53 Cleaved into the following 2 chains: 1. Hemagglutinin-esterase-fusion glycoprotein chain 1 Short name= 2. HEF1 3. Hemagglutinin-este
Expression Region	15-629aa
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	70.1kDa
Protein Length	Extracellular Domain
Image	 (Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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.