



Recombinant Human respiRatory syncytial virus A Fusion glycoprotein F0 (F), partial

Product Code	CSB-YP356041HPO
Relevance	During virus entry, induces fusion of viral and cellular mbranes leading to delivery of the nucleocapsid into the cytoplasm. The fusogenic activity is inactive untill entry into host cell endosome, where a furin-like protease cleaves off a small peptide between F1 and F2 . Interacts directly with heparan sulfate and may participates in virus attachment . Furthermore, the F2 subunit was identified as the major determinant of RSV host cell specificity . Later in infection, proteins F expressed at the plasma mbrane of infected cells can mediate fusion with adjacent cells to form syncytia, a cytopathic effect that could lead to tissue necrosis. The fusion protein is also able to trigger p53-dependent apoptosis .
Abbreviation	Recombinant Human respiRatory syncytial virus A Fusion glycoprotein F0, 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.	P03420
Product Type	Recombinant Protein
Immunogen Species	Human respiratory syncytial virus A (strain A2)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	NITEEFYQSTCSAVSKGYLSALRTGWYTSVITIELSNIKENKCNGTDAKVKLIKQ ELDKYKNAVTELQLLMQSTPPTNNRARRELPRFMNYTLNNAKKTNTLSKKRK RRFLGFLGVSASGVAVSKVLHLEGEVNIKISALLSTNKAVVSLNNGVSVL TSKVLDLKNYIDKQLLPVKNKQSCSISNIETVIEFQQKNNRLLITREFSVNAGVT TPVSTYMLTNSELLSLINDMPITNDQKKLMSNNVQIVRQQSYSIMSIIKEEVLAY VVQLPLYGVIDTPCWKLHTSPLCTTNTKEGSNICLTRDRGWYCDNAGSVSFF PQAETCKVQSNRVFCDTMNSLTLPSEINLCNVDIFNPKYDCKIMTSKTDVSSSV ITSLGAIVSCYGKTKCTASNKNRGIKTFNNGCDYVSNKGMDTVSVGNTLYYVN KQEGKSLYVKGEPIINFYDPLVFPSDEFDASISQVNEKINQSLAFIRKSDELLHN VNAGKSTTNIMITT
Research Area	Others
Source	Yeast
Target Names	F
Protein Names	Recommended name: Fusion glycoprotein F0 Short name= Protein F Cleaved into the following 2 chains: 1. Fusion glycoprotein F2 2. Fusion glycoprotein F1
Expression Region	27-529aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at



4°C for up to one week.

Tag Info

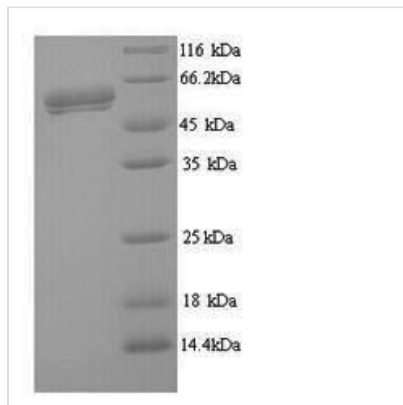
N-terminal 6xHis-tagged

Mol. Weight

57.9 kDa

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

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