

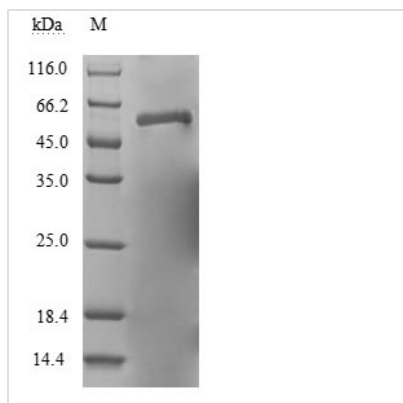


Recombinant Human respiratory syncytial virus A Fusion glycoprotein F0 (F), partial

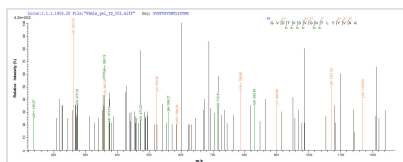
Product Code	CSB-EP319265HPWb1
Relevance	During virus entry, induces fusion of viral and cellular membranes leading to delivery of the nucleocapsid into the cytoplasm. The fusogenic activity is inactive until entry into host cell endosome, where a furin-like protease cleaves off a small peptide between F1 and F2. Interacts directly with heparan sulfate and may participate 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 membrane 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.	P11209
Product Type	Recombinant Protein
Immunogen Species	Human respiratory syncytial virus A (strain RSS-2)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	NITEEFYQSTCSAVSKGYLSALRTGWYTSVITIELSNIKENKCNNGTDAKVKLIKQ ELDKYKSAVTELQLLMQSTPATNNRARRELPRFMNYTLNNTKNTNVTLSSKRRK RRFLGFLGVSAGIASGIAVSKVLHLEGEVNIKIKSALLSTNKAVVSLSNGVSVLT SKVLDLKNYIDKQLLPIVNBKQSCSISNIETVIEFQQKNNRLEITREFSVNAGVTT PVSTYMLTNSELLSLINDMPITNDQKKLMSNNVQIVRQQSYSIMSIIKEEVLAYV VQLPLYGVIDTPCWKLHTSPLCTTNTKEGSNICLTRTDRGWYCDNAGSVSFFP LAETCKVQSNRVFCDTMNSLTLPSEVNLNIDIFNPKYDCKIMTSKTDVSSSVIT SLGAIVSCYGKTKCTASNKDRGIIKTFSNGCDYVSNKGVDTVSVGNTLYYVNBK QEGKSLYVKGEPIINFYDPLVFPSEFDASISQVNEKINQSLAFIRKSDELLHNV NAGKSTTNIMITT
Research Area	others
Source	E.coli
Target Names	F
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 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	60.8 kDa


Protein Length

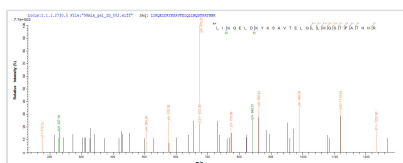
Partial

Image


(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP319265HPWb1 could indicate that this peptide derived from E.coli-expressed Human respiratory syncytial virus A (strain RSS-2) F.



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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.