



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

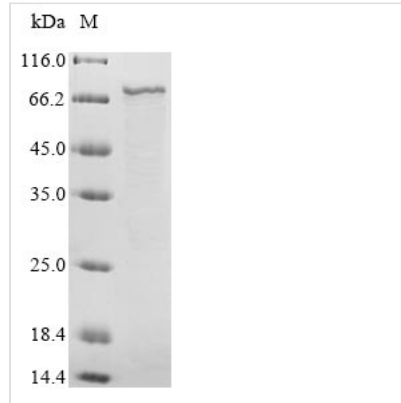
<b>Product Code</b>	CSB-EP356041HPO
<b>Relevance</b>	During virus entry, induces fusion of viral and cellular membranes leading to delivery of the nucleocapsid into the cytoplasm. The fusogenic activity is inactive until entry into host cell endosome, where a furin-like protease cleaves off a small peptide 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
<b>Abbreviation</b>	Recombinant Human respiratory syncytial virus A Fusion glycoprotein F0, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	P03420
<b>Storage Buffer</b>	Tris-based buffer, 50% glycerol
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Human respiratory syncytial virus A (strain A2)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	NITEEFYQSTCSAVSKGYLSALRTGWYTSVITIELSNIKENKCNNGTDAKVKLIKQ ELDKYKNAVTELQLLMQSTPPTNNRARRELPRFMNYTLNNAKKTNTLSKRRK RRFLGFLLGVGSAIASGVAVSKVLHLEGEVNIKISALLSTNKAVVSLNNGVSVL TSKVLDLKNYIDKQLLPIVKNKQSCSISNIETVIEFQQKNNRLLAITREFSVNAGVT TPVSTYMLTNSELLSLINDMPITNDQKKLMSNNVQIVRQQSYSIMSIIKEEVLAY VVQLPLYGVIDTPCWKLHTSPLCTTNTKEGSNICLRTDRGWYCDNAGSVSFF PQAETCKVQSNRVFCDTMNSLTLPSEINLCNVDIFNPKYDCKIMTSKTDVSSSV ITSLGAIVSCYGKTKCTASNKNRGIKTFNSNGCDYVSNKGMDTVSVGNTLYYVN KQEGKSLYVKGEPIINFYDPLVFPDEFDASISQVNEKINQSLAFIRKSDELLHN VNAGKSTTNIMITT
<b>Research Area</b>	others
<b>Source</b>	E.coli
<b>Target Names</b>	F
<b>Protein Names</b>	Recommended name: Fusion glycoprotein F0 Short name= Protein F Cleaved into the following 2 chains: 1. Fusion glycoprotein F2 2. Fusion glycoprotein F1
<b>Expression Region</b>	27-529aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at



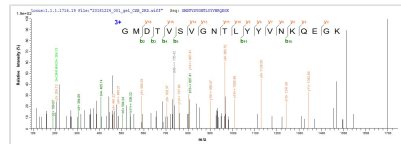
4°C for up to one week.

<b>Tag Info</b>	N-terminal 6xHis-B2M-tagged
<b>Mol. Weight</b>	69.9 kDa
<b>Protein Length</b>	Extracellular Domain

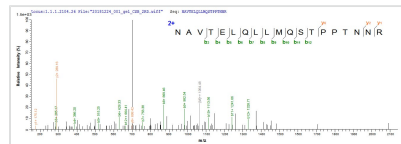
**Image**



(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-EP356041HPO could indicate that this peptide derived from E.coli-expressed Human respiratory syncytial virus A (strain A2) 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**

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