Recombinant Human respiratory syncytial virus A Fusion glycoprotein F0

Catalog No: #AP72955

Package Size: #AP72955-1 20ug #AP72955-2 100ug #AP72955-3 1mg

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Description

Product Name	Recombinant Human respiratory syncytial virus A Fusion glycoprotein F0
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-529aaSequence Info:Extracellular Domain
Accession No.	P03420
Uniprot	P03420
Calculated MW	57.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NITEEFYQSTCSAVSKGYLSALRTGWYTSVITIELSNIKENKCNGTDAKVKLIKQELDKYKNAVTELQLLMQSTP PTNNRARRELPRFMNYTLNNAKKTNVTLSKKRKRRFLGFLLGVGSAIASGVAVSKVLHLEGEVNKIKSALLSTN KAVVSLSNGVSVLTSKVLDLKNYIDKQLLPIVNKQSCSISNIETVIEFQQKNNRLLEITREFSVNAGVTTPVSTYM LTNSELLSLINDMPITNDQKKLMSNNVQIVRQQSYSIMSIIKEEVLAYVVQLPLYGVIDTPCWKLHTSPLCTTNTK EGSNICLTRTDRGWYCDNAGSVSFFPQAETCKVQSNRVFCDTMNSLTLPSEINLCNVDIFNPKYDCKIMTSKT DVSSSVITSLGAIVSCYGKTKCTASNKNRGIIKTFSNGCDYVSNKGMDTVSVGNTLYYVNKQEGKSLYVKGEPII NFYDPLVFPSDEFDASISQVNEKINQSLAFIRKSDELLHNVNAGKSTTNIMITT
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

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 identifed 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 .

References

The fusion protein of respiratory syncytial virus triggers p53-dependent apoptosis.Eckardt-Michel J., Lorek M., Baxmann D., Grunwald T., Keil G.M., Zimmer G.J. Virol. 82:3236-3249(2008)Research Topic:Others

Note: This product is for in vitro research use only