

Fusion glycoprotein F0 Recombinant Protein | F recombinant protein

Recombinant Human respiratory syncytial virus B Fusion glycoprotein F0

CATALOG # AAA18705	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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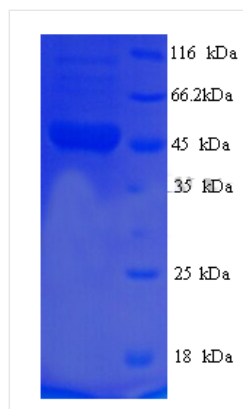
PRODUCT SYNONYMS

Fusion glycoprotein F0; Recombinant Human respiratory syncytial virus B Fusion glycoprotein F0; F recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	137-574. Partial-length
Sequence	FLGFLLGVGS AIASGIAVSK VHLGEDEVNK IKNALLSTNK AVVSLSNGVS VLTSKVLDLK NYINNQLLPI VNQQSCRISN IETVIEFQOK NSRLLEINRE FSVNAGVTTT LSTYMLTNSE LLSLINDMPI TNDQKKLMSS NVQIVRQQSY SIMSIIKEEV LAYVVQLPIY GVIDTPCWKL HTSPLCTTNI KEGSNICLTR TDRGWYCDNA GSVSFFPQAD TCKVQSNRVF CDTMNSLTLP SEVSLCNTDI FNSKYDCKIM TSKTDISSSV ITSLGAIVSC YGKTKCTASN KNRGIKTFS NGCDYVSNKG VDTVSVGNL YYVKNLEGKN LYVKGEPIIN YYDPLVFPSP EFDASISQVN EKINQSLAFI RRSDELLHNV NTGKSTTNIM ITTIIIVIV VLLSLIAIGL LLYCKAKNTP VTLSKDQLSG INNIAFSK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for F recombinant protein	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.
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References	Respiratory syncytial virus (RSV)SH and G proteins are not essential for viral replication in vitro clinical evaluation and molecular characterization of a cold-passaged, attenuated RSV subgroup B mutant.Karron R.A., Buonagurio D.A., Georgiu A.F., Whitehead S.S., Adamus J.E., Clements-Mann M.L., Harris D.O., Randolph V.B., Udem S.A., Murphy B.R., Sidhu M.S.Proc. Natl. Acad. Sci. U.S.A. 94:13961-13966(1997) Fatty acid acylation of the fusion glycoprotein of human respiratory syncytial virus.Arumugham R.G., Seid R.C. Jr., Doyle S., Hildreth S.W., Paradisio P.R.J. Biol. Chem. 264:10339-10342(1989)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9629206
NCBI GeneID	1489825
NCBI Accession #	NP_056863.1
NCBI GenBank Nucleotide #	NC_001781.1
UniProt Accession #	O36634
Molecular Weight	50.1 kDa
NCBI Official Full Name	fusion protein
NCBI Official Symbol	F
NCBI Protein Information	F
UniProt Protein Name	Fusion glycoprotein F0
UniProt Gene Name	F
UniProt Synonym Gene Names	Protein F
UniProt Entry Name	FUS_HRSVB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.