

Post F/Fusion Glycoprotein F0 of Respiratory Syncytial Virus (RSV)

CATALOG NUMBER: RSV-F0-10p

Introduction	Respiratory syncytial virus (RSV) has a negative-sense, single-stranded 15kb RNA genome, encoding 11 proteins (NS1-NS2-N-P-M-SH-G-F-M2-L). RSV is divided into two antigenic subtypes, A and B, based on the reactivity of the F and G surface proteins to monoclonal antibodies. The Surface protein G (glycoprotein) is primarily responsible for viral attachment to host cells, and is highly variable between strains. Surface protein F (fusion protein) is responsible for fusion of viral and host cell membranes, as well as syncytium formation between viral particles, and Its sequence is highly conserved between strains.
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	Recombinant protein expressed and purified from 293 cells
Viral Protein	C-His & C-Strep tagged RSV fusion glycoprotein (amino acid 1-513)(GenBank accession#: Q84850)
Storage	Store at -20 °C; Stable for 3-months from the date of shipment when kept at 4 °C.
Concentration	50 µg in PBS, pH7.4
Endotoxin Level	<0.01 EU per 1 µg of the protein by LAL test
Specificity	≥ 90% purity



SDS-PAGE: purified RSV fusion glycoprotein



Recombinant RSV Fusion Glycoprotein F0 (aa 1-513) SEQ:

MELLILKANA ITTILTAVTF CFASGQNITE EFYQSTCSAV SKGYLSALRT GWYTSVITIE LSNIKENKCN
GTDKVKLIK QELDKYKNAV TELQLLMQST PATNNRARRE LPRFMNYTLN NAKKTNVTLS KKRKRRLGFLGF
LLGVGSAIAS GVAVSKVLHL EGEVNKIKSA LLSTNKAVVS LSNGVSVLTS KVLDLKNYID KQLLPVINKQ
SCSISNIETV IEFQQKNNRL LEITREFSVN AGVTPVSTY MLTNSELLSL INDMPTNDQ KKLMSNNVQI
VRQQSYSIMS IIKEEVLAYV VQLPLYGVID TPCWKLHTSP LCTTNTKEGS NICLTRTRDRG WFCDNAGSVS
FFPQAETCKV QSNRVFCDTM NSLTLPSEVN LCNVDIFNPK YDCKIMTSKT DVSSSVITSL GAIVSCYGKT
KCTASNKNRG IIKTFSNGCD YVSNKGVDTV SVGNTLYYVN KQEGKSLYVK GEPIINFYDP LVFPSDEFDA
SISQVNEKIN QSLAFIRKSD ELL

