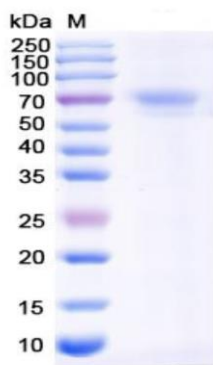


Fusion Glycoprotein F0 of Human Respiratory Syncytial Virus

CATALOG NUMBER: RSV-F0-55p

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, <i>etc.</i>
Description	Glycosylated recombinant protein expressed and purified from 293 cells
Viral Protein	C-terminal his-tagged hRSV fusion glycoprotein F0 (amino acid 26-513)(accession# AIZ95552.1)
Storage	Store at -20 °C; Stable for 3 months from the date of shipment when kept at 4 °C.
Concentration	50 µg (1 µg/µl) in PBS pH7.4 (with 1 mM EDTA, 4% Trehalose, 1% Mannitol)
Endotoxin Level	<0.1 EU per 1 µg of the protein by LAL test
Specificity	≥ 90% purity



SDS-PAGE

purified hRSV fusion glycoprotein F0

Recombinant hRSV fusion glycoprotein F0 (aa 26-513) SEQ:

QNIITEEFYQSTCSAVSKGYLSALRTGWYTSVITIELSNIKENKCNKNGTDAKVKLIKQELDKYKNAVTELQLLMQSTPAANNRARR
ELPRFMNYTLNNTKNTNVTLSKRRRFLGFLGVSASIASGIAVSKVLHLEGEVKNKIKSALLSTNKAVVSLSNGVSVLTSKVL
DLKNYIDKQLLPVIVNQSCSISNIETVIEFQQKNNRLLLETREFSVNAGVTPVSTYMLTNSSELLSLINDMPITNDQKKLMSNN
VQIVRQQSYSIMSIIKEEVLAYVVQLPLYGVIDTPCWKLHTSPLCTTNTKEGSNICLRTDRGWYCDNAGSVSFFPQAETCKVQ
SNRVFCDTMNSLTLPSEVNLNIDIFNPKYDCKIMTSKTDVSSSVITSLGAIVSCYGKTRCTASNKNRGIKTFNSGCDYVSNK
GVDTVSVGNTLYYVVKQEGKSLYVKGEPIINFYDPLVFPSEDFDASISQVNEKIN QSLAFIRKSDLELL