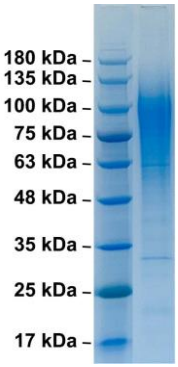
Attachment Glycoprotein G of Respiratory Syncytial Virus (RSV)(Type A)

CATALOG NUMBER: RSV-GP-10Ap

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	6x his-tagged recombinant protein expressed and purified from HEK293 cells
Viral Protein	C-terminal 6xhis-tagged RSV (type A) attachment glycoprotein(G) (amino acid 66-298)(GenBank accession#: P20895)
Storage	Store at -20 ^{o}C; Stable for 6-months from the date of shipment when kept at 4 ^{o}C. Non-hazardous.
Concentration	50 µg (1mg/ml) in PBS
Endotoxin Level	<0.01 EU per 1 µg of the protein by LAL test
Specificity	≥ 95% purity



SDS-PAGE: purified RSV attachment glycoprotein G (type A)

Recombinant RSV (Type A) Attachment Glycoprotein G (aa 66-298) SEQ:

NHKVTLTTAIIQDATSQIKNTTPTYLTQDPQLGISFSNLSEITSQTTTILASTTPGVKSNLQPTTVKTKNTTTTQTQPSKPTTK
QRQNKPPNKPNNDFHFEVFNFVPCSICSNNPTCWAICKRIPNKKPGKKTTTKPTKKPTFKTTKKDHKPQTTKPKEVPTTKPTEE
PTINTTKTNIITTLLTNNTTGNPKLTSQMETFHSTSSEGNLSPSQVSTTSEHPSQPSSPPNTTRQHHHHHH

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