Recombinant HRSV G protein, His-tagged

Cat. No. G-99V **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant HRSV G protein(His 67 - Arg 297) fused with His tag at C-terminal was expressed in HEK293.
Species	HRSV
Source	HEK293
ProteinLength	His 67 - Arg 297
Description	Human respiratory syncytial virus (HRSV) is the most common etiological agent of acute lower respiratory tract disease in infants and can cause repeated infections throughout life. Human respiratory syncytial virus A (strain Long) major surface glycoprotein G (RSV-G), a member of the pneumoviruses glycoprotein G family, is also known as attachment glycoprotein G and membrane-bound glycoprotein (mG), which contains a linear heparin binding domain essential for virus attachment to the host. Concretely speaking, RSV-G can attache the virion to the host cell membrane by interacting with heparan sulfate, initiating the infection. Furthermore, RSV-G can also interact with host CX3CR1, the receptor for the CX3C chemokine fractalkine, to modulate the immune response and facilitate infection. Unlike the other paramyxovirus attachment proteins, RSV-G lacks both neuraminidase and hemagglutinating activities.
Predicted N Terminal	His 67
Form	Lyophilized from 0.22

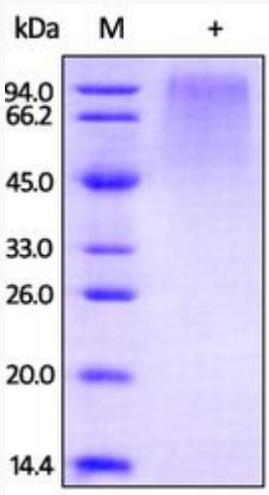
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	μm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	Has a calculated MW of 26.2 kDa. DTT-reduced Protein migrates as 60-94 kDa in SDS-PAGE due to glycosylation.
Endotoxin	Less than 1.0 EU per μg of the rh RSV-G by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).

GENE INFORMATION

Gene Name	G G [Human respiratory syncytial virus]
Official Symbol	G
Synonyms	G; attachment glycoprotein
Gene ID	1489824
Protein Refseq	NP_056862
UniProt ID	O36633

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