Recombinant RSV F protein(Met1-Thr529), His-tagged

Cat. No. F-2324R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RSV Fusion glycoprotein (P03420.1) (Met1-Thr529) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	RSV
Source	Insect Cells
ProteinLength	Met1-Thr529
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant human RSV-F comprises 514 amino acids with a predicted molecular mass of 57.4 kDa. The RSV F0 precursor protein is cleaved into the disulfide-linked F1 and F2 subunits. As a result of glycosylation, the apparent molecular mass of the protein is approximately 45-55 kDa and 18 kDa in SDS-PAGE under reducing conditions, corresponding to the two subunits respectively.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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	be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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