

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

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

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human RSV Fusion glycoprotein (P03420.1) (Met1-Thr529) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.   |
| <b>Species</b>          | RSV   |
| <b>Source</b>           | Insect Cells  |
| <b>ProteinLength</b>    | Met1-Thr529   |
| <b>Form</b>             | 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.  |
| <b>Molecular Mass</b>   | 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. |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method  |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE  |
| <b>Storage</b>          | 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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