

## General Information

### Gene Name Synonym

Fusion glycoprotein F2'; Interchain peptide;  
Fusion glycoprotein F2; Fusion glycoprotein F1

### Protein Construction

A DNA sequence encoding the extracellular domain of human RSV Fusion glycoprotein (AAB59858.1) (Met 1-Thr 529) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

RSV

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Phe 22

### Molecular Mass

The secreted recombinant human RSV-F comprises 518 amino acids with a predicted molecular mass of 58 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.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

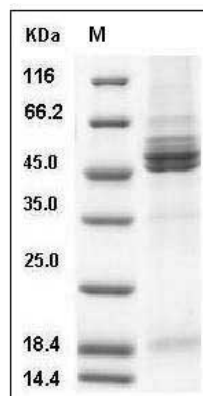
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human RSV (A2) Fusion glycoprotein / RSV-F Protein (His Tag) SDS-PAGE