

## Fusion glycoprotein F0/F Protein, HRSV (AHX57537, sf9, His)

Cat. No.:	HY-P75817
Synonyms:	Human respiratory syncytial virus (RSV) Fusion protein / RSV-F Protein
Species:	Virus
Source:	Sf9 insect cells
Accession:	AHX57537 (M1-M526)
Gene ID:	/
Molecular Weight:	Approximately 57.04 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, pH 7.5, 300 mM NaCl, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	F0/F is a class of viral fusion proteins that, as an inactive precursor, are cleaved by a furfuran-like protease at two sites to produce mature F1 and F2 fusion glycoproteins. The F1-F2 trimer (F protein) plays a dual role, helping to attach to host cells by binding to host heparin sulfate, and facilitating entry into host cells by interacting with host IGFR1. F protein can mediate cell-cell fusion, leading to syncytial formation, and F protein may trigger p53-dependent apoptosis in the late stage of infection <sup>[1][2][3]</sup> .
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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