

Recombinant HRSV-B F Protein (Gln27-Asn524), C-hFc tagged, Animal-free, Carrier-free

Cat. No. F-328H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant HRSV-B F Protein (Gln27-Asn524) with C-hFc tag was expressed in HEK293 and Animal-free as well as Carrier-free.
Species	HRSV-B
Source	HEK293
ProteinLength	Gln27-Asn524
Description	Human Respiratory Syncytial Virus B (RSV-B) is a type of virus that causes respiratory infections in humans, particularly in young children and the elderly. One of the key components of the virus is the Fusion Glycoprotein F0, which plays a critical role in the virus's ability to enter and infect cells. The Fusion Glycoprotein F0 is initially synthesized as a precursor protein, known as F0, which is then cleaved into two subunits, F1 and F2. These subunits then combine to form the functional protein, which is responsible for mediating the fusion of the virus with host cells. The Fusion Glycoprotein F0 is a major target for the development of vaccines and antiviral therapies against RSV-B, as it is essential for the virus's infectivity. Studies have shown that antibodies targeting the F0 protein can effectively neutralize the virus and prevent infection.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 81.64 kDa.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

The protein migrates as 70 kDa under reducing condition (SDS-PAGE analysis).

Purity >95% as determined by SDS-PAGE analysis.

Storage This product is stable after storage at:
 -20 centigrade for 12 months in lyophilized state from date of receipt.
 -20 or -80 centigrade for 1 month under sterile conditions after reconstitution.
 Avoid repeated freeze/thaw cycles.

Storage Buffer Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Reconstitution It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Official Symbol F

Synonyms Fusion glycoprotein F0; F

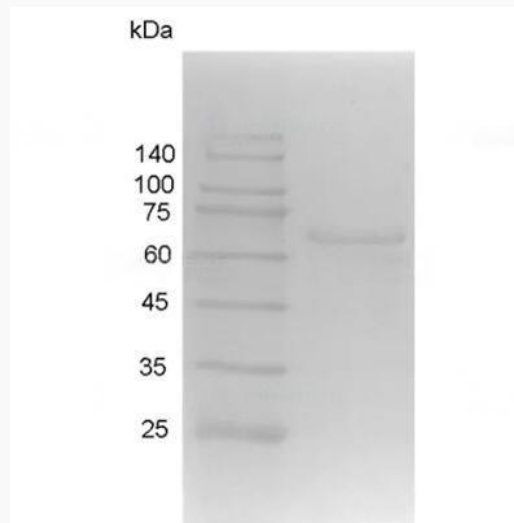
UniProt ID [P13843](https://www.uniprot.org/protein/P13843)

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**SDS-PAGE analysis
of Human
Respiratory
Syncytial Virus B
(RSV-B) Fusion
Glycoprotein F0, Fc
Tag, HEK293**



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