

Human Respiratory Syncytial Virus B (RSV-B) Fusion Glycoprotein F0, Fc Tag, HEK293

Catalog Number LDG024PVM

Package 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



Specifications

Species of Origin

Human Respiratory Syncytial Virus B

Affinity Tag

Human IgG1 Fc tag (C-term)

Purity

>95% as determined by SDS-PAGE analysis.

Form

Lyophilized

Expression System

HEK293

Storage Buffer

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

Molecular weight

The protein has a calculated MW of 81.64 kDa. The protein migrates as 70 kDa under reducing condition (SDS-PAGE analysis).

Background

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Background

Human Respiratory Syncytial Virus 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.

Sequence Note

Gln27-Asn524

Uniprot ID

#P13843

Instruction

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°C or lower for long term storage.

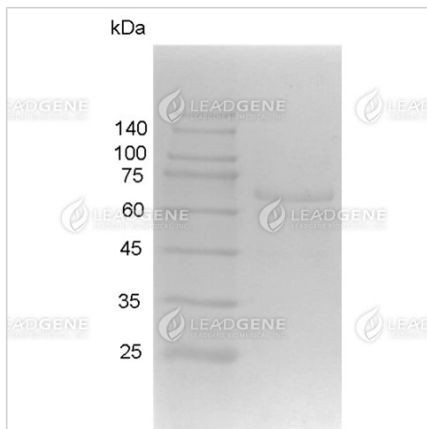
Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image



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

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