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Datasheet for ABIN7504521

RSV Pre-Fusion Glycoprotein F0 protein (His tag)

Overview

Quantity:	100 µg
Target:	RSV Pre-Fusion Glycoprotein F0
Origin:	Respiratory Syncytial Virus (RSV)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	RSV (A) Pre-fusion glycoprotein F0 Protein
Characteristics:	Recombinant RSV (A) Pre-fusion glycoprotein F0 Protein is expressed from HEK293 with His tag at the C-terminus.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	RSV Pre-Fusion Glycoprotein F0
Background:	Respiratory syncytial virus (RSV) is a highly contagious childhood pathogen of the respiratory tract and is divided into two antigenic subtypes, A and B, based on the reactivity of the F and G surface proteins to monoclonal antibodies. Surface protein F (fusion protein) is responsible for fusion of viral and host cell membranes, as well as syncytium formation between viral particles.

Target Details

Its sequence is highly conserved between strains. F protein exists in multiple conformational forms. In the prefusion state (PreF), the protein exists in a trimeric form and contains the major antigenic site which serves as a primary target of neutralizing antibodies in the body.

Molecular Weight: 56.28 kDa. Due to glycosylation, the protein migrates to 57-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months