

HRSV (A, strain Long) Glycoprotein G Protein

Cat. No. HRV-VM10G

Description

Source	Recombinant HRSV (A, strain Long) Glycoprotein G Protein is expressed from HEK293 with His tag at the N-Terminus. It contains His67-Gln298.
Accession	P20895-1
Molecular Weight	The protein has a predicted MW of 26.29 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

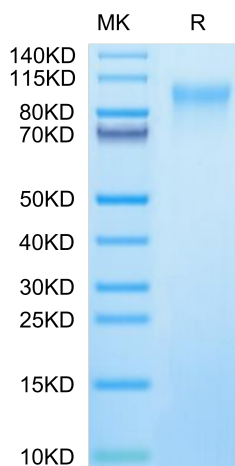
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

Background

Glycoprotein G (gG) here refers to the adhesion protein on the surface of RSV, It is a type II glycoprotein and one of the two main envelope glycoproteins of RSV. Glycoprotein G can bind to the host cell membrane receptor and mediate the entry of the virus into the host cell.

Assay Data

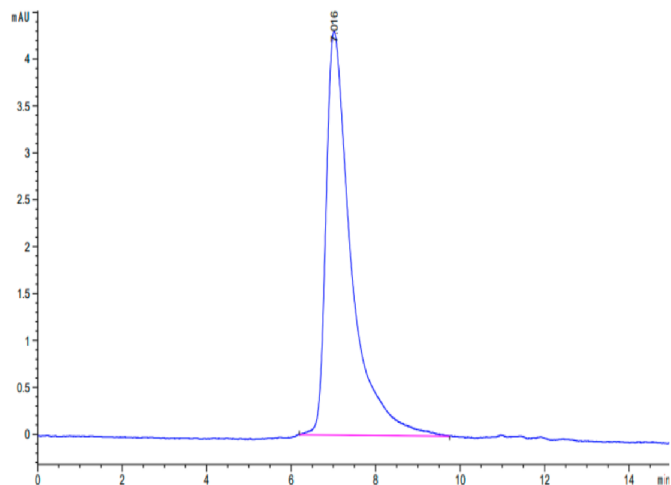
Tris-Bis PAGE



HRSV (A, strain Long) Glycoprotein G on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of HRSV (A, strain Long) Glycoprotein G is greater than 95% as determined by SEC-HPLC.