

Cat. No. HRV-VM10G-UL

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 Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

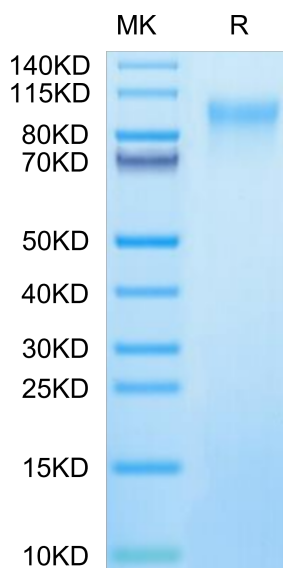
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

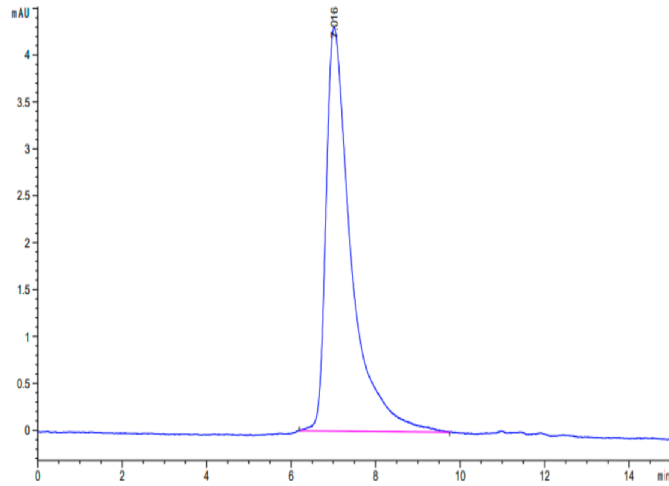
Bis-Tris PAGE



HRSV (A, strain Long) Glycoprotein G on Bis-Tris 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 90% as determined by SEC-HPLC.