

Monkeypox virus M1R Protein



Cat. No. M1R-VM11R

Description	
Source	Recombinant Monkeypox virus M1R Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly2-Gly183.
Accession	QJQ40223.1
Molecular Weight	The protein has a predicted MW of 20.41 kDa. Due to glycosylation, the protein migrates to 23-38 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris 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	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	
Monkeypox virus (MPXV) is double-stranded DNA virus belonging to the genus orthopoxvirus that causes a smallpox-like disease in humans.	

Assay Data

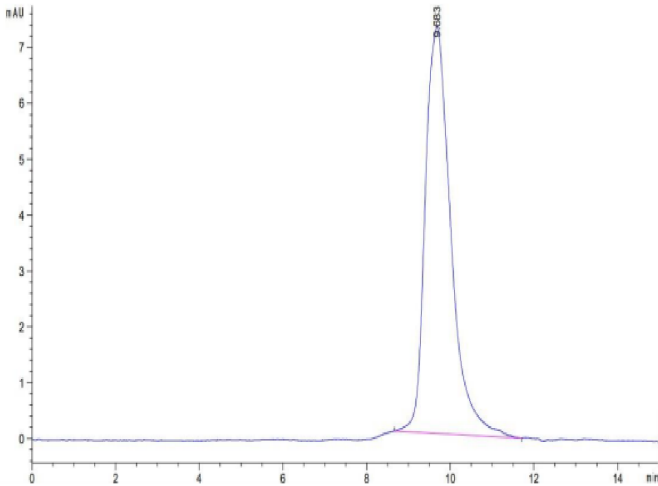
Bis-Tris PAGE



Monkeypox virus M1R on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Monkeypox virus M1R is greater than 95% as determined by SEC-HPLC.