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 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

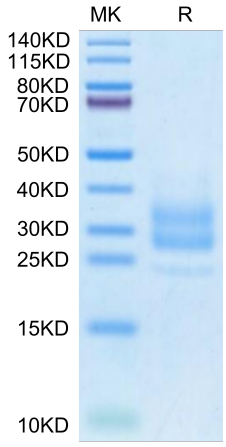
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

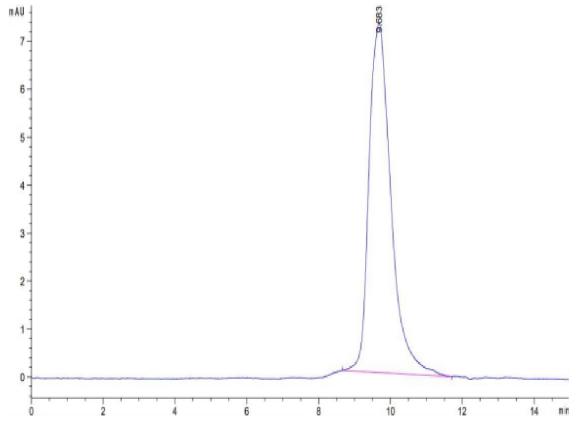
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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