

Monkeypox virus A30 Protein

Cat. No. A30-VM130

Description	
Source	Recombinant Monkeypox virus A30 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln22-Leu146.
Accession	Q8V4U9
Molecular Weight	The protein has a predicted MW of 15.24 kDa. Due to glycosylation, the protein migrates to 30-55 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

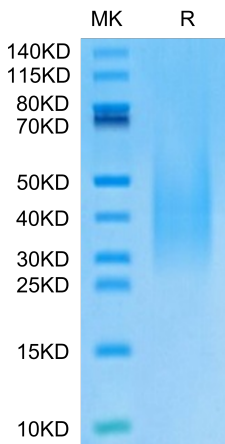
Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended (usually we use 1mg/ml solution for lyophilization). 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. A30L is an envelope protein required for the fusion of virus and host cell to form syncytia, and is also considered to be an important target in MPXV research.

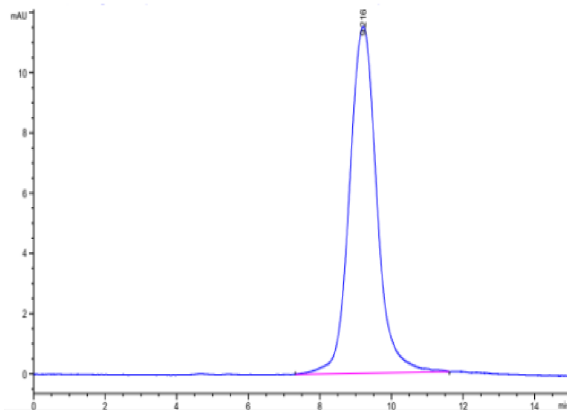
Assay Data

Bis-Tris PAGE



Monkeypox virus A30 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Monkeypox virus A30 is greater than 95% as determined by SEC-HPLC.