

Monkeypox virus A35R Protein

Cat. No. A35-VM10R

Description

Source	Recombinant Monkeypox virus A35R Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Arg58-Thr181.
Accession	QJQ40286.1
Molecular Weight	The protein has a predicted MW of 14.77 kDa. Due to glycosylation, the protein migrates to 15-20 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

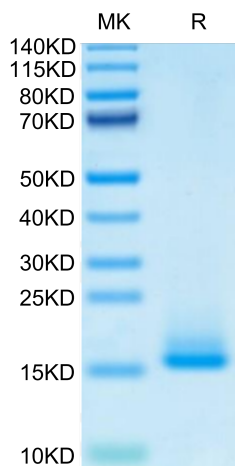
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled 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

Monkeypox virus (MPXV) is double-stranded DNA virus belonging to the genus orthopoxvirus that causes a smallpox-like disease in humans.

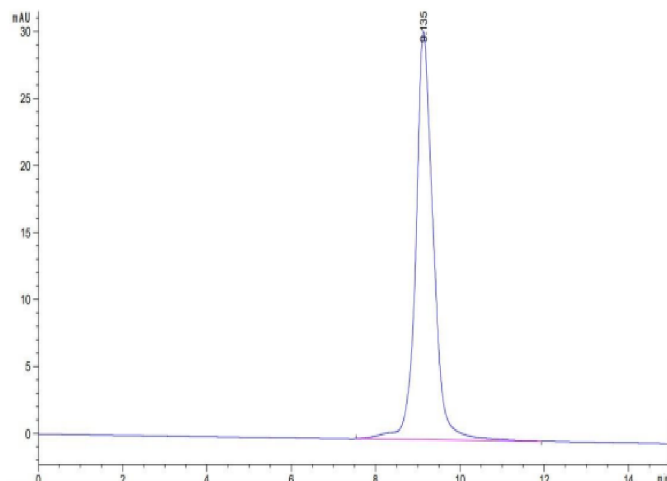
Assay Data

Tris-Bis PAGE



Monkeypox virus A35R on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Monkeypox virus A35R is greater than 95% as determined by SEC-HPLC.