Monkeypox virus A30 Protein

Cat. No. A30-VM130

Description

Source	Recombinant Monkeypox virus A30 Protein is expressed from Expi293 with His tag at the N-terminal.
	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 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

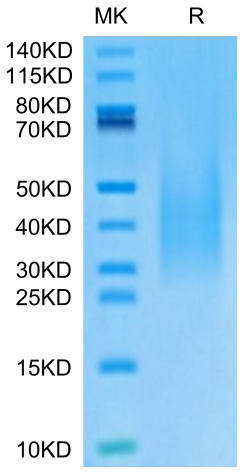
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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.

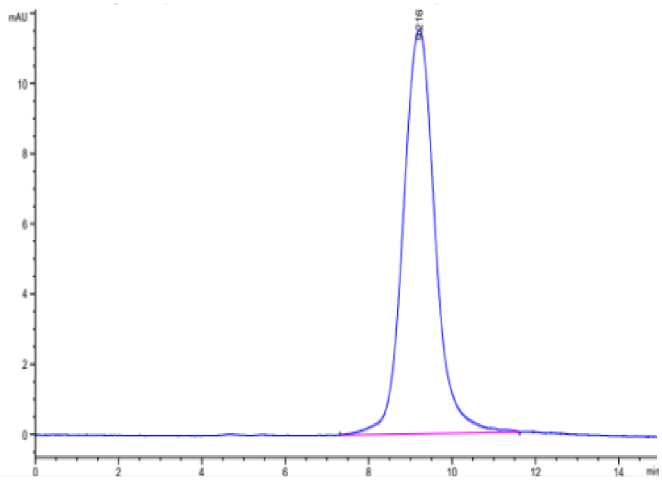
Assay Data

Tris-Bis PAGE



Monkeypox virus A30 on Tris-Bis 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.