Monkeypox virus E8L Protein

Cat. No. E8L-VE18L

Description

Source	Recombinant Monkeypox virus E8L Protein is expressed from E.coli with His tag at the N-Terminus.
	It contains Met1-Thr275.
Accession	QJQ40248.1
Molecular Weight	The protein has a predicted MW of 32.92 kDa. The protein migrates to 50-60 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

Formulation and Storage

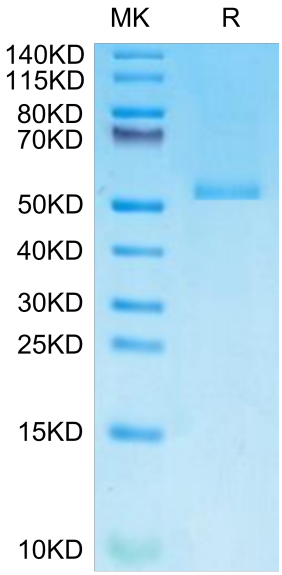
Formulation	Lyophilized from 0.22μm filtered solution in PBS, 200mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended (usually we use 1mg/ml solution 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

E8L is an important protein that mediates the invasion of monkeypox virus into host cells. In the process of invading and completing replication, E8L acts as a surface-binding protein of mature virion and can bind to chondroitin sulfate on the cell surface, so that the virus can attach to target cells.

Assay Data

Bis-Tris PAGE



Monkeypox virus E8L on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.