

Monkeypox Virus (MPXV) A5L Protein (His)

General Information

Protein Construction:	A DNA sequence encoding the Monkeypox Virus (MPXV) A5L Protein (QNP13710.1) (Met1-Lys281) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: Met
Species:	MPXV
Expression Host:	E. coli
Accession:	QNP13710.1
Molecular Weight:	31.95 kDa (predicted)

QC Testing

Biological Activity:	Immobilized Recombinant Monkeypox Virus (MPXV) A5L Protein (His Tag) (Cat#TMPY-06588) at 1 µg/mL (100 µL/well) can bind Monkeypox Virus (MPXV) A5L Antibody, Mouse MAb, the EC50 is 5-20 ng/mL.
Purity:	> 95 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing 50 mM Tris, 150 mM NaCl, 10% glycerol, pH 8.0. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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