

Recombinant MPXV M1R protein(), His-tagged

Cat. No. M1R-2410M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Monkeypox Virus (MPXV) M1R Protein was expressed in HEK293 with a polyhistidine tag at the N-terminus.
Species	MPX
Source	HEK293
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Monkeypox Virus (MPXV) M1R Protein consists of 200 amino acids and predicts a molecular mass of 21.59 kDa. As a result of glycosylation, it migrates as an approximately (36.52, 29.25, 25.76 and 22.60) kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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