Recombinant Monkeypox virus M1R Protein

RPCB0125

Protein Information

Size:	100 µg	**Tag:**	C-His
Reactivity:	Monkeypox virus	**Expressed Host:**	-
Calculated MW:	20.41 kDa	**Observerd MW:**	20-40 kDa

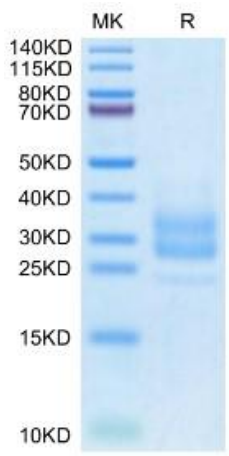
Background

Monkeypox virus (MPXV) is double-stranded DNA virus belonging to the genus orthopoxvirus that causes a smallpox-like disease in humans. M1R is homologous to the vaccinia virus L1 protein, a transmembrane protein found on the surface of mature IMV particles. And M1R is the component of the entry fusion complex (EFC), which consists of 11 proteins. During cell infection, this complex mediates entry of the virion core into the host cytoplasm by a two-step mechanism consisting of lipid mixing of the viral and cellular membranes and subsequent pore formation.

Properties

Synonyms:	M1R, Monkeypox virus M1R, MPXV M1R
Gene ID:	928968
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Monkeypox virus M1R Protein (RPCB0125), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.
Storage:	Store at -20℃. Store the lyophilized protein at -20℃ to -80℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

Validation Data



Recombinant Monkeypox virus M1R Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

The purity of Monkeypox virus M1R is greater than 95% as determined by SEC-HPLC.