

Recombinant Monkeypox Virus M1R Protein, His-SUMO-tagged(N-ter)

Cat. No. M1R-331M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Monkeypox Virus M1R Protein with His-SUMO tag (N-ter) was expressed in E. coli.
Species	MPX
Source	E.coli
Description	Monkeypox virus (MPV, MPXV, or hMPXV) is a species of double-stranded DNA virus which causes monkeypox in humans and other animals. It belongs to the genus Orthopoxvirus in the family Poxviridae. Monkeypox virus is one of the human orthopoxvirus along with variola (VARV), cowpox (CPX), and vaccinia (VACV) viruses. It is not a direct ancestor to, nor a direct descendant of, the variola virus, which causes smallpox. Monkeypox is similar to smallpox, but with a milder rash and lower mortality rate. Variation in virulence of the virus has been observed in isolates from Central Africa, where strains are more virulent than those from Western Africa. The two areas have distinct clades of the virus, termed Congo Basin (Central African) and West African clades.
Form	Powder
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)

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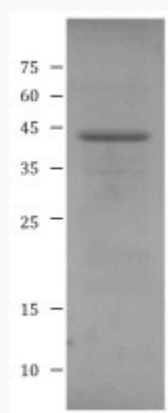
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Official Symbol	M1R
Synonyms	M1R

SDS-PAGE



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