Recombinant Monkeypox Virus A29L Protein, His-tagged(C-ter)

Cat. No. OPG154-262M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Monkeypox Virus A29L Protein with His tag (C-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)

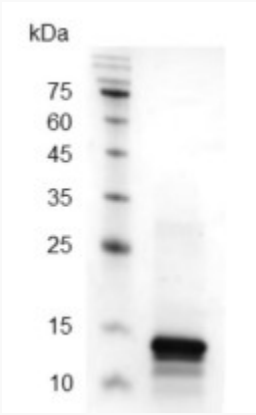
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Gene Name	OPG154 IMV surface fusion protein [Monkeypox virus (monkeypox)]
Official Symbol	OPG154
Synonyms	OPG154; IMV surface fusion protein; IMV surface fusion protein; Taxonomic breadth: chordopoxvirinae; Old product: A29L; IMV surface membrane 14 kDa fusion protein; binding to cell surface heparan; similar to VACV-WR A29L and VACV-Cop A27L
Gene ID	928966
Protein Refseq	NP_536566
UniProt ID	Q77HM6

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