

Catalog Number: 230-30237

**Recombinant Monkeypox Virus IMV Surface Membrane 14-kDa Fusion Protein, A29L****Source**

<b>Species</b>	Monkeypox Virus (MPXV)
<b>Accession Number</b>	Q90188
<b>Gene Symbol</b>	A29L
<b>Expressed Region</b>	Met1-Glu110
<b>Synonyms</b>	IMV Surface Membrane 14-kDa Fusion Protein, A29L

**Preparation**

<b>Expression System</b>	Human embryonic kidney 293 (HEK293) cells
<b>Tag</b>	C-terminal His-tag
<b>Purification</b>	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
<b>Purity</b>	>95%
<b>Purity Determined By</b>	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
<b>Molecular Weight</b>	Recombinant protein product has a calculated molecular mass of ?13 kDa. Due to the abundant glycosylation, it migrates as two major bands: approximately ?13 kDa non-glycosylated form and ?16 kDa glycosylated form in SDS-PAGE under DTT and beta-mercaptoethanol reducing conditions.

**Protein Specifications**

<b>Format</b>	Liquid
<b>Formulation</b>	Filtered solution in PBS with 1% mannitol and 5% trehalose
<b>Concentration</b>	Bio-Rad protein assay reagent
<b>Endotoxin Level</b>	0.5 EU per µg of the protein as determined by the LAL method
<b>Recommended Applications</b>	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.
<b>SDS-PAGE Image</b>	SDS-PAGE SDS-PAGE background or type unknown

Figure 1. Deglycosylation analysis of purified recombinant proteins. The same amount of purified proteins were untreated (Lane 2) or treated with protein deglycosylation enzymes under native (Lane 3) or reducing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift of the protein to produce one reduced band at the expected size, thus indicating that the untreated recombinant protein (Lane 2) was glycosylated.

Lane 1: protein standard ladder (kDa).  
Lane 2: untreated protein.  
Lane 3: treated protein with deglycosylation enzymes under native conditions.  
Lane 4: treated protein with deglycosylation enzymes under denature conditions.

**Shipping**

Ice packs

## Storage/Stability

Upon arrival, the protein may be stored for 2 weeks at 4 °C. For long term storage, it is recommended to store at -20 °C or -80 °C in appropriate aliquots. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.