

Catalog Number: 230-30236

Recombinant Monkeypox Virus IFN-alpha/beta-receptor-like Secreted Glycoprotein B16R**Source**

Species	Monkeypox Virus (MPXV)
Accession Number	Q8V4R2
Gene Symbol	B16R
Expressed Region	His21-Glu352
Synonyms	IFN-alpha/beta-receptor-like Secreted Glycoprotein B16R

Preparation

Expression System	Human embryonic kidney 293 (HEK293) cells
Tag	C-terminal His-tag
Purification	His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)
Purity	>90%
Purity Determined By	SDS-PAGE under reducing conditions and visualized by Coomassie blue staining
Molecular Weight	Recombinant protein product has a calculated molecular mass of ~38 kDa. Due to the abundant glycosylation, it migrates as approximately ~50 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions.

Protein Specifications

Format	Liquid
Formulation	Filtered solution in PBS with 1% mannitol and 5% trehalose
Concentration	Determined by BCA protein assay
Endotoxin Level	0.5 EU per µg of the protein as determined by the LAL method
Recommended Applications	Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.
SDS-PAGE Image	SDS-PAGE Image not found 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.