

A29 Protein, Monkeypox virus, Recombinant (His)

General Information

Synonyms:	A29L;IMV surface;14 kDa protein;14kDa fusion
Protein Construction:	Met1-Glu110
Species:	Monkeypox virus
Expression Host:	E. coli
Accession:	Q90188
Molecular Weight:	13.65 kDa (predicted) same as Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μ m filtered solution in PBS, 350 mM NaCl, 200 mM L-arginine (pH 8.5).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Monkeypox virus (MPXV) is double-stranded DNA virus belonging to the genus orthopoxvirus that causes a smallpox-like disease in humans.

Reference

Alakunle E, et al. Monkeypox Virus in Nigeria: Infection Biology, Epidemiology, and Evolution. *Viruses*. 2020 Nov 5; 12(11):1257. doi: 10.3390/v12111257. PMID: 33167496; PMCID: PMC7694534.

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