

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 EU/μg by the LAL method.

Formulation: Supplied as 0.22 μm 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.

Shipping:

Shipping 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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