

Datasheet for ABIN7273788

**Contains Potential Transmembrane Domain (A30) (AA 22-146)  
protein (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	Contains Potential Transmembrane Domain (A30)
Protein Characteristics:	AA 22-146
Origin:	Mpox Virus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Monkeypox virus A30 Protein
Sequence:	Gln22-Leu146
Characteristics:	Recombinant Monkeypox virus A30 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln22-Leu146.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	Contains Potential Transmembrane Domain (A30)
Alternative Name:	A30

## Target Details

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**Background:** Monkeypox virus (MPXV) is double-stranded DNA virus belonging to the genus orthopoxvirus that causes a smallpox-like disease in humans. A30L is an envelope protein required for the fusion of virus and host cell to form syncytia, and is also considered to be an important target in MPXV research.

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**Molecular Weight:** 15.24 kDa. Due to glycosylation, the protein migrates to 30-55 kDa based on Tris-Bis PAGE result.

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**UniProt:** [Q8V4U9](#)

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## Application Details

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**Restrictions:** For Research Use only

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## Handling

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**Format:** Lyophilized

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**Reconstitution:** Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

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**Buffer:** Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

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**Storage:** -20 °C,-80 °C

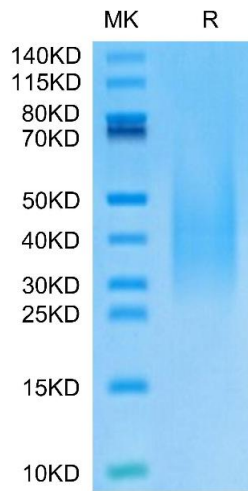
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**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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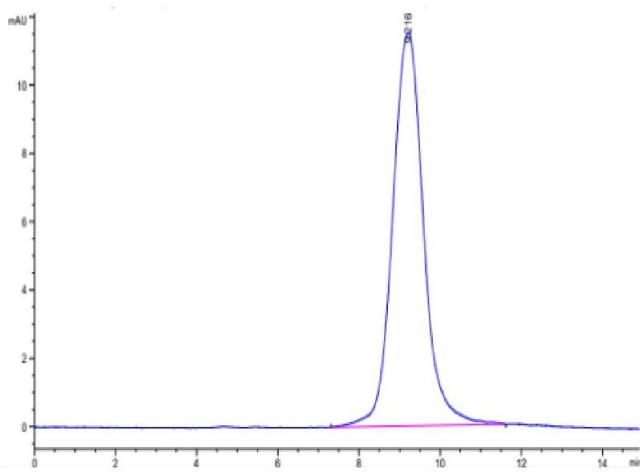
**Expiry Date:** 12 months

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### SDS-PAGE

**Image 1.** Monkeypox virus A30 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Monkeypox virus A30 is greater than 95 % as determined by SEC-HPLC.