

Datasheet for ABIN7505564

**MPXV A29L (AA 1-110) protein (His tag)**[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	MPXV A29L
Protein Characteristics:	AA 1-110
Origin:	Mpox Virus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Sequence:	Met 1-Glu 110
Characteristics:	A DNA sequence encoding the Monkeypox virus MPXV(A29L) protein (Q90188) (Met 1-Glu 110) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	MPXV A29L
Background:	Abbreviation: MPXV Target Synonym: A29L Background: Monkeypox Virus (MPXV), the virus that causes monkeypox infection in both humans and animals, is a double-stranded DNA virus that has had a recent global outbreak in 2022. MPXV belongs to the Poxviridae family of viruses. It consists of several key subunits

## Target Details

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including a surface membrane fusion protein (A29L, ~14 kDa), two separate envelope proteins (A30L, ~14 kDa and H3L, ~32 kDa), an envelope glycoprotein (A35R ~15 kDa), a receptor glycoprotein that mimics IFN $\alpha$ /beta (B16, ~37 kDa), a palmitoylated EEV membrane glycoprotein (C19L, ~35 kDa), a secreted IL-18 binding protein (D6L, ~14 kDa), a cell surface-binding protein (E8L, ~32 kDa), a telomere binding protein (I1L, ~36 kDa), and a subunit required for DNA packaging (L1R, 18 kDa).

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Molecular Weight: Calculated MW: 11.99 kDa  
Observed MW: 12 kDa

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UniProt: [Q90188](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

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Storage: 4 °C, -20 °C, -80 °C

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Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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Expiry Date: 12 months