

Datasheet for ABIN7491237

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

Overview

Quantity:	100 µg
Target:	MPXV A29L
Protein Characteristics:	AA 1-110
Origin:	Mpox Virus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Recombinant Monkeypox virus A29L Protein with C-terminal 6xHis tag
Specificity:	Monkeypox virus A29L (Met1-Glu110) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	MPXV A29L
Background:	Monkeypox is a rare zoonosis caused by monkeypox virus, which has become the most serious orthopoxvirus and consists of complex double stranded DNA. The cases are mostly in central and western Africa. The pathogenesis of monkeypox is that the virus invades the body from

Target Details

respiratory mucosa, multiplies in lymphocytes, and incurs into blood producing transient venereal toxemia. after the virus multiplies in cells, the cells can invade the blood and propagate to the skin of the whole body, causing lesions. A29L binds to cell surface heparin to promote fusion of viral membrane with host plasma membrane.

Molecular Weight: predicted molecular mass of 13.4 kDa after removal of the signal peptide. The apparent molecular mass of Monkeypox virus A29L-His is 10-25 kDa due to glycosylation.

UniProt: [Q77HM6](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

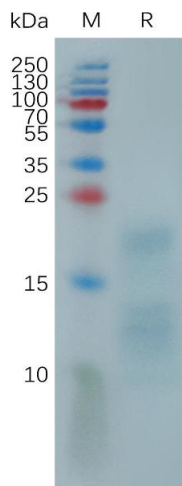
Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months

Images



SDS-PAGE

Image 1. Monkeypox virus A29L Protein, His Tag on SDS-PAGE under reducing condition.