

Datasheet for ABIN7505562 MPXV A33R (AA 1-142) protein (His tag)



Overview

Quantity:	100 μg
Target:	MPXV A33R
Protein Characteristics:	AA 1-142
Origin:	Mpox Virus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Sequence:	Met 1-Asp 142
Characteristics:	A DNA sequence encoding the Monkeypox virus A33R protein (F1DJJ9) (Met 1-Asp 142) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	MPXV A33R
Background:	Abbreviation: A33R
	Target Synonym: A33R
	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

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

Molecular Weight:

Calculated MW: 15.51 kDa

Observed MW: 18 kDa

UniProt:

F1DJJ9

Application Details

Restrictions:

For Research Use only

Handling

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.
Storage:	4 °C,-20 °C,-80 °C
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.
Expiry Date:	12 months