

Datasheet for ABIN7274504

**Cell Surface-Binding Protein (E8L) (AA 1-275) protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Cell Surface-Binding Protein (E8L)
Protein Characteristics:	AA 1-275
Origin:	Mpox Virus
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Monkeypox virus E8L Protein
Sequence:	Met1-Thr275
Characteristics:	Recombinant Monkeypox virus E8L Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-Thr275.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	Cell Surface-Binding Protein (E8L)
Alternative Name:	E8L

## Target Details

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**Background:** E8L is an important protein that mediates the invasion of monkeypox virus into host cells. In the process of invading and completing replication, E8L acts as a surface-binding protein of mature virion and can bind to chondroitin sulfate on the cell surface, so that the virus can attach to target cells.

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**Molecular Weight:** 32.92 kDa. The protein migrates to 50-60 kDa based on Tris-Bis PAGE result.

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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, 200 mM L-arginine ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

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**Storage:** -20 °C,-80 °C

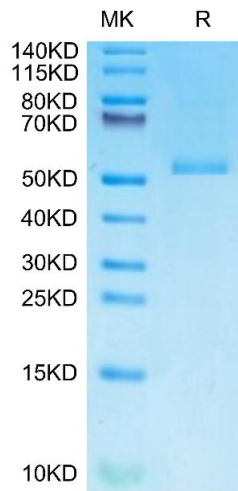
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**Storage Comment:** -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please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

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**Expiry Date:** 12 months

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### SDS-PAGE

**Image 1.** Monkeypox virus E8L on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .