

PRODUCT INFORMATION

A35R **Target Synonyms** A35R

Recombinant Monkeypox virus A35R Protein with **Description**

C-terminal 6×His tag

Delivery In Stock **Uniprot ID** Q8V4U4 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Molecular Weight

Monkeypox virus A35R(Arg58-Thr181) 6×His tag Characterization

> The protein has a predicted molecular mass of 14.5 kDa after removal of the signal peptide. The apparent molecular mass of Monkeypox virus

A35R-His is approximately 10-15 kĎa due to

glycosylation.

The purity of the protein is greater than 85% as Purity determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution for specific instructions of reconstitution.

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Monkeypox is a rare zoonosis caused by monkeypox virus, which has become the most serious orthpoxvirus 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 respiratory mucosa, multiplies in

Background 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. The envelope glycoprotein A35R

on the EV surface has been predicted to influence

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intercellular diffusion of virions.

Usage Research use only Conjugate Unconjugated





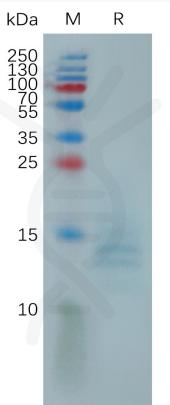
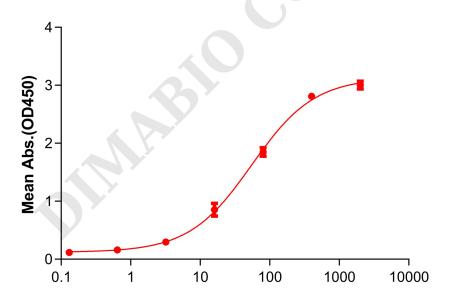


Figure 1. Monkeypox virus A35R Protein, His Tag on SDS-PAGE under reducing condition.

Monkeypox virus A35R Protein, His Tag ELISA

0.2 μg of Monkeypox virus A35R, His tagged protein per well



Biotinylated Anti-Monkeypox virus A35R antibody(2H1), Rabbit mAb (ng/mL)

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Monkeypox virus A35R Protein, His tag (PME101152) can Biotinylated Anti-GAST antibody(1E2), Rabbit mAb (DME101189B) in a linear range of 16-80 ng/mL.

