PRODUCT INFORMATION

Target	A35R
Synonyms	A35R
Description	Recombinant Monkeypox virus A35R Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q8V4U4
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Monkeypox virus A35R(Arg58-Thr181) 6×His tag
Molecular Weight	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 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	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.
Background	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 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 intercellular diffusion of virions.
Usage	Research use only
Conjugate	Unconjugated

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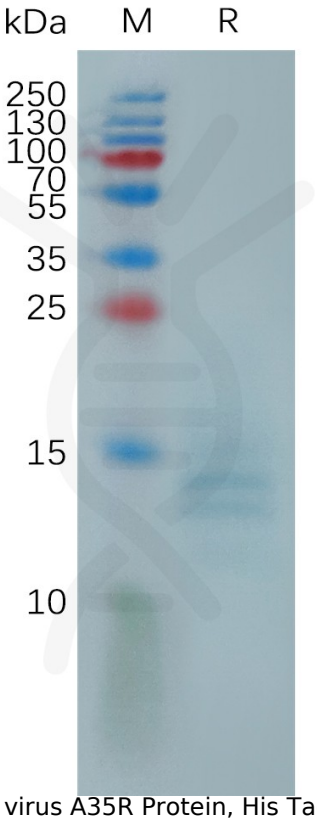

Figure 1. Monkeypox virus A35R Protein, His Tag on SDS-PAGE under reducing condition.

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