## PRODUCT INFORMATION

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| **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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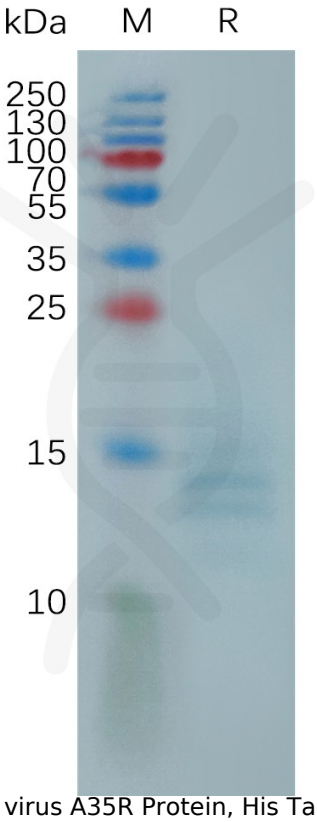



Figure 1. Monkeypox virus A35R Protein, His Tag on SDS-PAGE under reducing condition.

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