MONKEYPOX VIRUS E8L PROTEIN, HIS TAG

Cat.#: 11825

Product Name: Monkeypox Virus E8L Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: E8L

Target: E8L

UNIPROT ID: Q8V4Y0

Description: Recombinant Monkeypox virus E8L Protein with C-terminal 6xHis tag

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. E8L can Binds to chondroitin sulfate on the cell surface to provide virion attachment to target cell.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 32.7 kDa after removal of the signal peptide. The apparent molecular mass of Monkeypox virus E8L-His is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: Monkeypox virus E8L(Met1-Thr275) 6×His tag

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

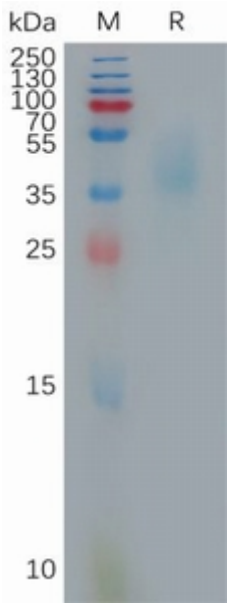

Figure 1. Monkeypox virus E8L Protein, His Tag on SDS-PAGE under reducing condition.