

# Active Recombinant Monkeypox virus(strain Zaire-96-I-16) L1R protein, His-tagged

**Cat. No.** L1R-0351M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Monkeypox virus(strain Zaire-96-I-16) L1R protein(Met1-Gln152), fused with His tag, was expressed in HEK293.                                                                               |
| <b>Species</b>          | MPX                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 1-152 a.a.                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                 |
| <b>Bio-activity</b>     | Immobilized Monkeypox virus (strain Zaire-96-I-16) L1R, His Tag at 5 µg/mL (100 µL/well) can bind Anti-Monkeypox virus L1R Polyclonal Antibody, Rabbit, IgG with a linear range of 0.6-2 ng/mL.        |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 19.7 kDa. The protein migrates as 18-19 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Met1-Gln152                                                                                                                                                                                            |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                             |
| <b>Purity</b>           | >95% as determined by SDS-PAGE.                                                                                                                                                                        |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                       |

## GENE INFORMATION

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|------------------------|-----|
| <b>Official Symbol</b> | L1R |
|------------------------|-----|

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