

# Active Recombinant HHV8 Viral Macrophage Inflammatory Protein 2

**Cat. No.** K4-229V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant HHV8 Viral Macrophage Inflammatory Protein 2(Q98157)(23-93 aa) was expressed in E.coli.                                                                                                                                                                   |
| <b>Species</b>          | HHV8                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 23-93 aa                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150mM NaCl.                                                                                                                                                                                    |
| <b>Bio-activity</b>     | Fully biologically active when compared to standard. The specific activity is determined by the inhibitory effect on monocyte migration response to human MIP-1 alpha using a concentration range of 1.0g-10.0g/ml of viral MIP-2 will inhibit 25ng/ml of human MIP-1 alpha. |
| <b>Molecular Mass</b>   | Approximately 8.0 kDa, a single, non-glycosylated polypeptide chain containing 70 amino acids.                                                                                                                                                                               |
| <b>AASequence</b>       | LGASWHRPDK CCLGYQKRPL PQVLLSSWYP TSQLCSKPGV IFLTKRGRQV<br>CADKSKDWVK KLMQQLPVTA                                                                                                                                                                                              |
| <b>Endotoxin</b>        | Less than 1 EU/µg of rViMIP-2 as determined by LAL method.                                                                                                                                                                                                                   |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | >97% by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>        | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.                                                                                                             |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20$ °C. Further dilutions should be made in appropriate buffered solutions. |

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