

Varicella-zoster virus (VZV)/HHV-3 Glycoprotein E/gE Protein (His)

General Information

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| Protein Construction: | A DNA sequence encoding the Varicella-zoster virus (VZV) / HHV-3 gE / glycoprotein E (Q9J3M8) (Met1-Tyr538) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Ser 31 |
| Species: | VZV |
| Expression Host: | HEK293 Cells |
| Accession: | Q9J3M8 |
| Molecular Weight: | 59.02 kDa (predicted); 68.96 kDa (reducing conditions) |

QC Testing

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| Biological Activity: | 1.Immobilized Recombinant Varicella-zoster virus (VZV)/HHV-3 gE Protein (His Tag) (Cat#TMPY-06357) at 2 µg/mL (100 µL/well) can bind Anti-Glycoprotein E (VZV) Antibody, the EC50 is 2-6 ng/mL. 2.Anti-HA Antibody (Clone 4A2) captured on Protein A chip, can bind Varicella-zoster virus (VZV)/HHV-3 gE/glycoprotein E Protein, His Tag (Cat#TMPY-06357) with an affinity constant of 10.300 nM as determined in an SPR assay (Biacore 8K) (Routinely tested). |
| Purity: | > 90 % as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/µg of the protein as determined by the LAL method. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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