

## Certificate of Analysis

**Name:** Chikungunya Virus E1 Envelope Protein (Insect Cells)

**Product Code:** REC31767-100

**Batch #:**

**Date of Manufacture:**

**Product Description:** Recombinant Chikungunya virus (CHIKV) wild-type E1 protein (Asian genotype) is produced in insect cells. It is composed of amino acids 67-482 (Gene Accession: EU441882) of the Chikungunya E1 protein and the secreted and soluble recombinant protein (MW ~50 kDa, pI 6.37) was purified using affinity chromatography.

**Expression System:** Insect cells

**Accession:** EU441882

**Strain/Isolate:** Asian

**Amino Acids:** 67-482

**Observed Molecular Weight:** ~50 kDa

**Amount:** 0.1 mg

**Concentration:** ≥1.0 mg/ml

**Purity:** ≥ 95% on 12.5% SDS-PAGE

**Presentation:** Liquid

**Buffer:** 1X D-PBS, pH 7.3 with 0.099% Thimerosal, 1µg/mL Leupeptin, 1µg/mL Aprotinin, and 1µg/mL Pepstatin A, 2.5% D-Trehalose.

**Applications:** ELISA, ICT, and other immunoassays

### Usage Guidelines

**Short Term Storage:** -20°C

**Long Term Storage:** -80°C

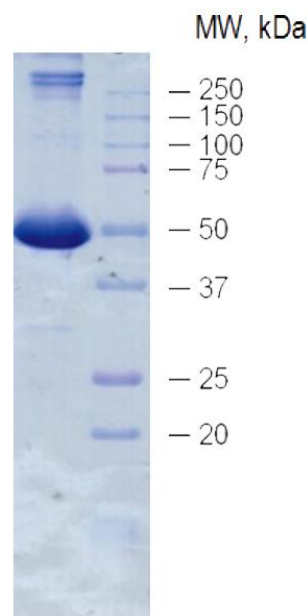
**General Storage Conditions:** Avoid multiple freeze-thaw cycles. Shelf life is 2 years at -20°C.

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**SDS-PAGE:** Representative 12.5% SDS-PAGE/Coomassie Blue staining.



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QC

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QA

**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**