

Certificate of Analysis

Name:	Chikungunya Virus Mutant (A226V) E1 Envelope Protein (Insect Cells).
Product code:	REC31768-100 / REC31768-500
Batch #:	
Description:	Chikungunya virus mutant (A226V) E1 envelope protein is produced in insect cells. It is composed of amino acids 67-482 (Gene Accession: EU441882) of the Chikungunya E1 protein. However, at position 226 the Alanine of the wild-type CHIKV E1 gene was mutated to Valine. This point mutation was shown to be responsible for an increased capacity of CHIKV strains to infect and replicate in <i>Aedes albopictus</i> , facilitating virus transmission to a naive human population. The secreted and soluble recombinant protein (MW ~50 kDa, pI 6.37) was purified using affinity chromatography.
Amount:	100µg / 500µg
Concentration:	≥ 1 mg/mL by Bradford protein assay
Buffer:	D-PBS, pH 7.2-7.4
Preservatives:	0.099% Thimerosal, 1µg/mL Leupeptin, 1µg/mL Aprotinin, and 1µg/mL Pepstatin A.
Purity:	≥ 95% on 12.5% SDS-PAGE (see below).
Presentation:	Liquid.
Applications:	ELISA, ICT, and other immunoassays. For Research Use Only.

Usage guidelines

Storage:	Store, frozen at ≤-20°C. Avoid multiple freeze-thaw cycles.
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SDS-PAGE: Protein was analysed in 12.5% SDS-PAGE/Coomassie Blue staining.

