

**Product Name: Recombinant CHIKV Spike glycoprotein E2 Protein, C-His**  
**Catalog #: PHV60003**

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## Summary

<b>Name</b>	CHIKV Spike glycoprotein E2
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Endotoxin level</b>	Please contact with the lab for this information
<b>Construction</b>	Recombinant CHIKV Spike glycoprotein E2 Protein is produced by our Mammalian expression system and the target gene encoding Ser326-Gln666 is expressed with a 6His-tag at the C-terminus.
<b>Accession #</b>	AIL00833.1
<b>Host</b>	Mammalian cells
<b>Species</b>	Chikungunya virus (CHIKV)
<b>Predicted Molecular Mass</b>	41.26 kDa
<b>Formulation</b>	Lyophilized from a solution of PBS, pH 7.4, 1mM EDTA
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at -70°C/-20°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Alternative Names

CHIKV Spike glycoprotein E2

## Background

Chikungunya virus (CHIKV) is an arthropod-borne alphavirus that causes Chikungunya fever, a re-emerging disease characterized by high fever, rash, and arthralgia. The E2 envelope glycoprotein is a structural protein that forms heterodimers with the E1 glycoprotein and is displayed on the viral surface as part of trimeric spike complexes. E2 is primarily responsible for receptor binding and host cell attachment, playing a key role in viral entry. As a major target of neutralizing antibodies, the E2 protein is widely used in serological diagnostics, vaccine development, and antiviral research.

## Note

For Research Use Only , Not for Diagnostic Use.