

Product Name: Recombinant CHIKV Spike glycoprotein E1 Protein, C-Fc
Catalog #: PHV60001

概述 (Summary)

英文全称	CHIKV Spike glycoprotein E1
纯度 (Purity)	>90% as determined by SDS-PAGE.
内毒素 (Endotoxin level)	Please contact with the lab for this information
蛋白构建 (Construction)	Recombinant CHIKV Spike glycoprotein E1 Protein is produced by our Mammalian expression system and the target gene encoding Tyr810-Lys1221 is expressed with a hFc-tag at the C-terminus.
Accession #	Q8JUX5
表达宿主 (Host)	Mammalian cells
种属 (Species)	Chikungunya virus (CHIKV)
预测分子量 (Predicted MW)	73.11 kDa
蛋白形态 (Form)	Lyophilized
储存缓冲液 (Buffer)	Lyophilized from a solution of PBS, pH 7.4, 1mM EDTA
运输方式 (Shipping)	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	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.
复溶 (Reconstitution)	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.

背景 (Background)

分子别名 (Alternative Names)	CHIKV Spike glycoprotein E1
背景介绍 (References)	Chikungunya virus (CHIKV) is a mosquito-borne alphavirus responsible for Chikungunya fever, a disease marked by fever, rash, and joint pain. The E1 envelope glycoprotein, a 47 kDa class II fusion protein, plays a critical role in viral entry by mediating low pH-triggered membrane fusion within host endosomes. It forms heterodimers with E2 glycoproteins, assembling into spike trimers on the viral surface that facilitate host cell attachment and infection. Due to its essential function in viral infectivity, the E1 protein is



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widely used in studies of viral entry, antibody development, vaccine design,
and diagnostic assay optimization.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.