

Chikungunya virus gpE2 Recombinant Protein

Recombinant Chikungunya virus Glycoprotein E2 protein - wild type

CATALOG #
AAA224727

APPLICATIONS
SDS-Page, ELISA, Lateral Flow

PRODUCT SYNONYMS

Chikungunya virus gpE2; Recombinant Chikungunya virus Glycoprotein E2 protein - wild type; Chikungunya virus Glycoprotein E2; Wild type Chikungunya Glycoprotein E2 antigen; Chikungunya protein; Wild type Chikungunya protein; Chikungunya antigen; CHIKV protein; Chikungunya virus GP E2 protein; WT Chikungunya virus Glycoprotein E2; Chikungunya virus gpE2 recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Purified by metal chromatography
Form/Format	Purified antigen in 50 mM PBS, pH8, with 300mM NaCl and 10% Glycerol.
Concentration	0.79mg/ml by A280nm (varies by lot)
Applicable Applications for Chikungunya virus gpE2 recombinant protein	SDS-PAGE, ELISA, LF (Lateral Flow)
Source	Baculovirus infected sf9 cells containing Chikungunya virus glycoprotein E2.
Expression System	Sf-9 insect cells
Method of Purification	Chikungunya Glycoprotein E2 antigen was purified by metal chromatography
Protein Type	Recombinant
Species	Viral
Biohazard	Use standard laboratory precautions when handling this material
Tag	His tag
Biological Significance	Chikungunya virus is an insect-borne virus, of the genus Alphavirus, that is transmitted to humans by virus-carrying Aedes mosquitoes. There have been recent breakouts of CHIKV associated with severe illness. Outbreaks have occurred in countries in Africa, Asia, Europe, and the Indian and Pacific Oceans. In late 2013, chikungunya virus was found for the first time in the Americas on islands in the Caribbean.
Implications in Disease	Chikungunya causes fever and severe joint pain. Other symptoms include muscle pain, headache, nausea, fatigue and rash. The disease shares some clinical signs with dengue, and can be mis-identified in areas where dengue is common. There is no vaccination against infection.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Aliquot and store at -70 degree C. Avoid repeated freeze/thaw cycles. Shipping: Dry Ice.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for Chikungunya virus gpE2 recombinant protein	Infectious Disease
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	CAJ90481.1
Molecular Weight	52 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/chikungunya-virus-gpe2-recombinant-protein-sds-page-elisa-lf-lateral-flow/224727>