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37-1393: Zika virus (ZIKV) (strain Zika SPH2015) E / Envelope Recombinant Protein (aa 291-696, His Tag)(Discontinued)

Alternative Name : none

Description

Source : Baculovirus-Insect Cells
Envelope of Zika virus is resposible for receptor binding and membrane. Analysis of the envelope protein of Zika, from Brazilian Zika SPH215 (KU321639), indicates predicted B and T cell epitopes in peptides that are consistent to those reported for dengue, YFYF and Japanese encephalitis. The envelope Domain II B cell epitope, to which much dengue non-neutralizing cross reaction is attributed, is also conserved also in Zika virus, consistent with prior field observations of cross reactivity with dengue and YF. Domain III of the Zika envelope protein, likely the main specific neutralizing domain, is distinct from recent Brazilian dengue isolates and a recent Peruvian YF isolate (GQ379163), 76% of possible major histocompatibility complex class (MHC) I and MHC II binding peptides and potential B cell linear epitopes are unique to Zika virus.

Product Info

Amount :	696, His Tag)(Discontinued) / 50 µg
Purification :	> 90 % as determined by SDS-PAGE.
Content :	0.25 mg/ml in sterile 20 mM Tris, 300 mM NaCl, pH 8.0, 10 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Ile291-Thr696

Application Note

Endotoxin :< 1.0 EU per µg protein as determined by the LAL method.

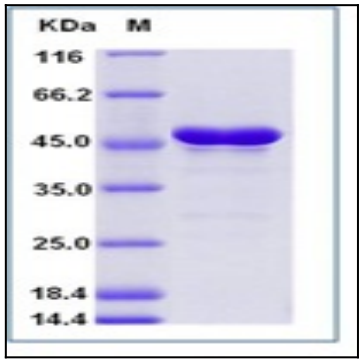


Fig 1: Zika virus (ZIKV) (strain Zika SPH2015) E / Envelope Recombinant Protein (aa 291-696, His Tag)

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