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Datasheet for ABIN7198748

ZIKV E Protein (His tag,MBP tag)

1 Image

Overview

Quantity:	100 µg
Target:	ZIKV E
Origin:	Zika Virus (ZIKV)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZIKV E protein is labelled with His tag,MBP tag.

Product Details

Purpose:	Recombinant ZIKV E / Envelope protein (Domain I, His & MBP Tag)
Sequence:	Ile291-Thr399 and Glu426-Gly485 and Ser576- Gly592
Characteristics:	A DNA sequence encoding the Zika virus (strain Zika SPH2015) E (ALU33341.1) (Ile291-Thr399 and Glu426-Gly485 and Ser576- Gly592) was expressed with a N-terminal polyhistidine-tagged MBP tag at the N-terminus (his-MBP).
Purity:	> 75 % as determined by SDS-PAGE.
Endotoxin Level:	Please contact us for more information.

Target Details

Target:	ZIKV E
Alternative Name:	Zika Envelope (ZIKV E Products)
Background:	Background: Envelope of Zika virus is responsible for receptor binding and membrane. Analysis of the envelope protein of Zika, from Brazilian Zika SPH215 (KU321639), indicates predicted B

Target Details

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.

Synonym: Zika virus, E protein, strain Zika SPH2015

Molecular Weight: 57.2kDa

Application Details

Restrictions: For Research Use only

Handling

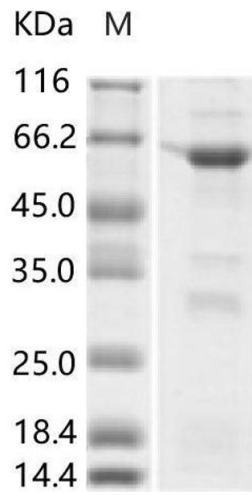
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 250 mM NaCl, 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.