Recombinant ZIKV(strain Zika SPH2015) E/Envelope protein, His-tagged

Cat. No. Envelope-569W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant ZIKV(strain Zika SPH2015) E/Envelope (domain III) (ALU33341.1) (Val593-Lys699) was expressed with a polyhistidine tag at the C-terminus.
Species	Zika
Source	HEK293
ProteinLength	Val593-Lys699
Description	Envelope of Zika virus is resposible for receptor binding and membrane. Analysis of the envelope protein of Zika, from Brazilian Zika SPH2015 (KU321639), indicates predicted B and T cell epitopes in peptides that are consistent to those reported for dengue, YFYF and Japanese encephalitis.
Predicted N Terminal	Val 593
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant Zika virus (strain Zika SPH2015) E / Envelope (domain III) consists of 118 amino acids and predicts a molecular mass of 13 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.

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Purity	> 90% as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at-70 centigrade. Store it under sterile conditions at-20 centigrade to-80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Official Symbol	Envelope
Synonyms	E/Envelope

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