

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

Cat. No. Envelope-565W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant ZIKV(strain Zika SPH2015) E/Envelope (domain III) (ALU33341.1) (Val593-Lys699) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Zika
Source	HEK293
ProteinLength	Val593-Lys699
Description	Envelope of Zika virus is responsible 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 PBSPH7.4. 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 345 amino acids and predicts a molecular mass of 38.2 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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°C before opening to recover the entire contents.
GENE INFORMATION	
Official Symbol	Envelope
Synonyms	E/Envelope

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