

Zika virus E/Envelope Protein (T366A, Q367G, W391R, L397R, sf9, His)

Cat. No.:	HY-P73534
Synonyms:	Zika virus (ZIKV) (strain Zika SPH2015) E/Envelope protein (His)
Species:	Virus
Source:	Sf9 insect cells
Accession:	ALU33341 (I291-T696, T366A, Q367G, W391R, L397R)
Gene ID:	/
Molecular Weight:	Approximately 45.6 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 300 mM NaCl, pH 8.0, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Genome polyprotein is a series of protein units with similar or different functions that have been widely utilized by single-celled or multi-cellular organisms as concentrators of countless molecular activities. Genome polyprotein is a small protein chain that is covalently linked, and it is a common means of organizing the protein set of viruses (including HIV) in nature. As the signal peptide of NS4B, genome polyprotein is essential for the anti-interferon activity of NS4B. Genome polyprotein inhibits RNA silencing by interfering with host Dicer. Genome polyprotein may play a role in viral budding. Genome polyprotein exerts cytotoxic effects by activating the mitochondrial apoptosis pathway through the M ectodomain. Genome polyprotein may display viral protein activity ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

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