

## Zika virus E/Envelope Protein (HEK293, His)

<b>Cat. No.:</b>	HY-P76129
<b>Synonyms:</b>	Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-E/Envelope protein (Domain III, His)
<b>Species:</b>	Virus
<b>Source:</b>	HEK293
<b>Accession:</b>	ALU33341 (V593-K699)
<b>Gene ID:</b>	/
<b>Molecular Weight:</b>	Approximately 13 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>V S Y S L C T A A F      T F T K I P A E T L      H G T V T V E V Q Y      A G T D G P C K V P</p> <p>A Q M A V D M Q T L      T P V G R L I T A N      P V I T E S T E N S      K M M L E L D P P F</p> <p>G D S Y I V I G V G      E K K I T H H W H R      S G S T I G K</p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>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<sup>[1][2]</sup>.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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