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

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

PROPERTIES

AA Sequence	VSYSLCTAAF TFTKIPAETL HGTVTVEVQY AGTDGPCKVP AQMAVDMQTL TPVGRLITAN PVITESTENS KMMLELDPPF GDSYIVIGVG EKKITHHWHR SGSTIGK
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	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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