

Recombinant Zika flavivirus polyprotein gene protein, His-tagged

Cat. No. flavivirus polyprotein gene-293Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview

The E.Coli derived Recombinant Zika Envelope protein 40-400 a.a. having an Mw of 38kDa. The Zika Envelope full length protein without a C-terminal hydrophobic region. The Zika Envelope full length protein is fused to a 6xHis tag at C-terminus and purified by proprietary chromatographic technique.

Species

Zika

Source

E.coli

ProteinLength

40-400 a.a.

Description

Zika virus (ZIKV) belongs to the family Flaviviridae and the genus Flavivirus, it is transmitted by daytime-active Aedes mosquitoes, such as *A. aegypti* and *A. albopictus*. The Zika virus is related to the dengue, yellow fever, Japanese encephalitis, and West Nile viruses. Much like the other flaviviruses, Zika virus is enveloped and icosahedral and has a nonsegmented, single-stranded, positive-sense RNA genome. Zika fever is an infection, which often causes no symptoms or only mild ones, like a mild form of dengue fever, and it is treated by rest. As of February 2016, there has been mounting evidence that Zika fever in pregnant women can cause abnormal brain development in their fetuses by mother-to-child transmission, which may result in miscarriage or microcephaly, however it is not yet known whether Zika virus causes microcephaly. Furthermore, a connection has been established with neurologic conditions in infected adults, including Guillain–Barre syndrome.

 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

Form	Sterile Filtered solution. Zika Envelope protein solution contains PBS and 25mM arginine.
Molecular Mass	38kDa
Purity	Zika Envelope protein is >95% pure as determined by SDS-PAGE.
Applications	Each laboratory should determine an optimum working titer for use in its particular application.
Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Zika Envelope protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs
Full Length	Full L.

GENE INFORMATION

Gene Name	flavivirus polyprotein gene flavivirus polyprotein [Zika virus]
Official Symbol	flavivirus polyprotein gene
Synonyms	flavivirus polyprotein; flavivirus polyprotein; capsid protein C; membrane glycoprotein precursor M; envelope protein E; nonstructural protein NS1; nonstructural protein NS2A; nonstructural protein NS2B; nonstructural protein NS3; nonstructural protein NS4A; nonstructural protein NS4B; RNA-dependent RNA polymerase NS5; anchored

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capsid protein C; protein pr; membrane glycoprotein M; protein 2K

Gene ID	7751225
Protein Refseq	YP_002790881.1
UniProt ID	Q32ZE1

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