

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.

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|-------------------------|---|
| 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

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|-----------------------|----------------|
| Gene ID | 7751225 |
| Protein Refseq | YP_002790881.1 |
| UniProt ID | Q32ZE1 |

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