Recombinant Zika flavivirus polyprotein gene protein

Cat. No. flavivirus polyprotein gene-290Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zika Ectodomain is a glycosylated protein, produced using baculovirus vectors in insect cells and its Mw is approximately 45kDa. The Zika Ectodomain is a recombinant protein of the ectodomain of the envelope protein from the Suriname Zika virus strain.
Species	Zika
Source	Insect Cells
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.
Form	Sterile Filtered solution. The Zika Ectodomain solution 10mM Sodium phosphate, pH 7.2, 150mM NaCl.

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Purity	Greater than 90.0% as determined by SDS-PAGE.
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 Ectodomain should be stored at 4°C. Do not freeze!
Shipping	Ice Packs

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 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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