Recombinant Zika (MR-766) flavivirus polyprotein gene protein, His-tagged

Cat. No. flavivirus polyprotein gene-296Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The HEK derived recombinant Zika NS1 protein strain MR-766 (Prototype, Uganda, 1947, GenBank accession number AY632535). The Zika NS1 protein is fused to a 6xHis tag at C-terminus and purified by proprietary chromatographic technique.
Species	Zika
Source	HEK293
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. Zika NS1 protein contains Dulbecco's Phosphate buffered saline, pH 7.4.

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Purity	Zika NS1 protein is >90% 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 NS1 protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
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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