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32-13629: Zika Envelope Domain-3

Alternative Name :	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 GuillainÂ–Barre syndrome.

Description

Source: Escherichia Coli.
Sterile Filtered White lyophilized (freeze-dried) powder.
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 GuillainÂ–Barre syndrome.
The E.Coli derived Zika Envelope domain-III is a non-glycosylated polypeptide chain having a molecular mass of 11 kDa and fused to a His tag at N-terminus.

Product Info

Amount :	100 µg / 0.5 mg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	Lyophilized from 1mg/ml in 20mM sodium carbonate pH-10. It is recommended to reconstitute the lyophilized Zika Envelope Domain-3 protein in sterile 18M-cm H2O at 1mg/ml, which can then be further diluted to other aqueous solutions.
Storage condition :	Store the lyophilized Zika Envelope between 2-8°C, do not freeze. Upon reconstitution Zika Envelope should be stored at 4°C for 6 months and for future use below -18°C. Please prevent freeze-thaw cycles.