
Product Data Sheet

Product Name: Zika Ectodomain

Cat. No.: GP25483

Batch No.: 1

Product Data

Purity	>98%	Source	Baculovirus Insect Cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	The Zika Ectodomain solution 10mM Sodium phosphate, pH 7.2, 150mM NaCl.		

Introduction

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-Barré syndrome.

Stability

Zika Ectodomain should be stored at 4°C . Do not freeze!

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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