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## Product Data Sheet

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Product Name: Zika Envelope F.Length

Cat. No.: GP25477

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	Zika Envelope protein solution contains PBS and 25mM arginine.		

### 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 Envelope protein although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

### Background

The E.Coli derived Recombinant Zika Envelope, strain MR766 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.

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

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