

Bioassayplus Inc.

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Certificate of Analysis

Important Note: centrifuge before opening to ensure complete recovery of vial contents.

Product name: full length zika envelope protein

Catalog #: zika-env-L

Description: Zika virus is a member of genus Flavivirus, it is transmitted by *Aedes* mosquitoes, the same *Aedes* mosquitoes are also the carrier and the transmitter of dengue virus. *Aedes* mosquitoes distribute in tropical and subtropical regions throughout the world. Till Jan 2016, there are over 1.6 million Zika virus infection case reports from South America, but it is estimated that there are over 5 million people with Zika virus infection in Brazil due to unknown infection, over five thousand new babies have been borne with microcephaly, in the infected adults, Zika disease may develop neurologic damage with the symptoms of Guillain-Barré syndrome.

Protein structure: Zika env-L is full length zika envelope protein from amino acid 40 to 400 without C-terminal hydrophobic region, the design of these protein is used for the development of lateral flow rapid test product or ELISA test or other research purpose, a 6 x histidine tag attached to its C-terminal.

Source: *E. coli*

Format: Purified, Liquid

Molecular size: 45kDa

Purity: >95% pure (SDS-PAGE, Coomassie blue stain).

Concentration: 1.92mg/ml (lot 9/2016)

Buffer: PBS with 25mM arginine

Storage: store in 4°C for short time only, aliquot to avoid repeated freezing and thawing, store at -20°C.

Applications: ELISA and rapid test and immunoassay

