Datasheet for ABIN4949218

ZIKV NS1 Protein (AA 796-1148) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	ZIKV NS1
Protein Characteristics:	AA 796-1148
Origin:	Zika Virus (ZIKV)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZIKV NS1 protein is labelled with His tag.
Application:	Functional Studies (Func)

Product Details

Sequence:	AA 796-1148
Characteristics:	This protein carries a polyhistidine tag at the C-terminus, and has a calculated MW of 42 kDa. The predicted N-terminus is Val 796.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ZIKV NS1
Alternative Name:	Zika Virus NS1 (ZIKV NS1 Products)
Target Type:	Viral Protein

Target Details

Background:	Zika virus (ZIKV) is a member of the virus family Flaviviridae and the genus Flavivirus, transmitted by daytime-active Aedes mosquitoes, such as A. aegypti and A. albopictus. Its name comes from the Zika Forest of Uganda, where the virus was first isolated in 1947. Zika virus is related to dengue, yellow fever, Japanese encephalitis, and West Nile viruses. The infection, known as Zika fever, often causes no or only mild symptoms, similar to a mild form of dengue fever. It is treated by rest. Since the 1950s, it has been known to occur within a narrow equatorial belt from Africa to Asia. As of 2016, the illness cannot be prevented by drugs or vaccines. As of February 2016, there is evidence that Zika fever in pregnant women is associated with abnormal brain development in their fetuses through mother-to-child transmission of the virus, which may result in miscarriage or microcephaly.
Molecular Weight:	42.0 kDa

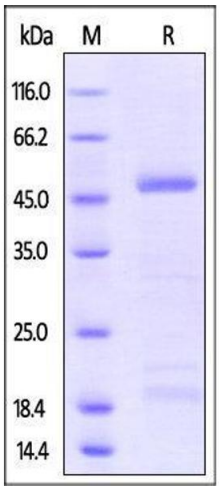
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



SDS-PAGE

Image 1. Zika virus NS1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.