Datasheet for ABIN5526584

ZIKV NS1 Protein (AA 796-1148) (His tag,AVI tag,Biotin)

1 Image

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Overview

Quantity:	200 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,AVI tag,Biotin.

Product Details

Brand:	PrecisionAvi
Sequence:	AA 796-1148
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	This protein carries an Avi tag (Avitag™) at the C-terminus, followed by a polyhistidine tag. The protein has a calculated MW of 43.3 kDa. The protein migrates as 46-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	ZIKV NS1

Target Details

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

Application Details

Comment:	Ready-to-use AvitagTM biotinylated protein: The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA. This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.
Restrictions:	For Research Use only

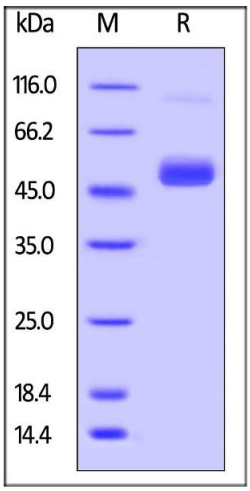
Handling

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

Handling

Storage:	-20 °C

Images



SDS-PAGE

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