

Zika virus NS1 Recombinant Protein

Zika virus NS1 protein

CATALOG # AAA224599	HOST E.coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Zika virus NS1; Zika virus NS1 protein; Zika NS1 protein; Zika protein; recombinant Zika NS1 protein; ZIKV NS1; Zika virus Nonstructural protein 1; Zika virus Non-structural protein 1; Zika virus antigen; recombinant Zika protein; recombinant Zika antigen; Zika virus NS1 antigen; recombinant Zika NS1 antigen; ZIKV protein; ZIKV antigen; Zika virus NS1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	>95% by SDS-PAGE
Form/Format	Frozen liquid supplied in 50mM NaPO ₄ , pH 7.5
Concentration	10mg/ml (varies by lot)
Sequence Positions	1-384
Sequence Length	384
Applicable Applications for Zika virus NS1 recombinant protein	WB (Western Blot), ELISA
Source	E. coli
Species	Viral
Grade	Recombinant
Method of Purification	Purified by aqueous solvent extraction and preparative electrophoresis to >95% purity
Assay Information	This protein binds to Zika converted human serum polyclonal antibodies and cross reacts with Dengue virus converted human serum polyclonal antibodies.
Biological Significance	Zika virus was first discovered in Ughanda in 1947 in monkeys infected by the virus through bites from of infected Aedes species mosquitos. Zika virus has become a highly researched disease due to increase in incidences from 2007 to 2016, when the virus spread eastward, across the Pacific Ocean to the Americas. In 2015–16 Zika virus epidemic reached pandemic levels. The Zika NS1 protein composes the majority of the virion surface and it is involved with replication, such as host cell binding and membrane fusion.
Implications in Disease	Many people infected with Zika virus will have mild or no symptoms while others will have fever, rash, joint pain, or conjunctivitis. People rarely die from Zika virus. Pregnant woman can pass Zika virus to her fetus causing microcephaly and other severe fetal brain defects.
Biohazard	Use standard laboratory precautions when handling.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Upon receipt aliquot and store at -70 degree C. Shipping: Ships with Dry Ice.

ADDITIONAL INFORMATION

Related Product Information for Zika virus NS1 recombinant protein	Recombinant Zika virus NS1 protein
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NCBI AND UNIPROT INFORMATION

Molecular Weight	44 kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/zika-virus-ns1-recombinant-protein-e-coli-wb-western-blot-elisa/224599>