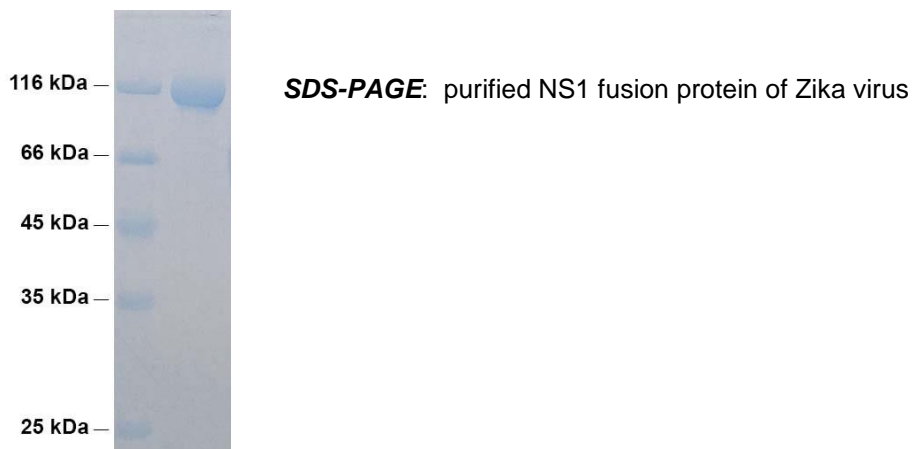


Zika Virus NS1 Protein

CATALOG NUMBER: ZV-NS1-50P, 50 µg, 1 mg

Introduction	Zika virus (ZIKV), a Flaviviridae family member, is a single-stranded, positive-sense RNA virus with a 10.7 Kb genome encoding a single polyprotein that is cleaved into three structural proteins: capsid (C), precursor of membrane (prM), envelop (E) and seven non-structural proteins: NS1, NS2A, NS2B, NS3, NS4A, NS4B, NS5. The flavivirus envelope (E) glycoprotein is responsible for virus entry and represents a major target of neutralizing antibodies for other flaviviruses.
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	6xHis tagged recombinant NS1 protein expressed in 293 cells
Viral Protein	C-terminal 6xHis tagged non-structural protein NS1 (aa 801-1174) of Zika virus (GenBank No. AMA12087). This is a recombinant NS1 fusion protein with a N-terminal human serum albumin followed by a TEV site before NS1 sequence.
Storage	Store at -20 °C; Stable for 1-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	1 µg/µl in PBS
Endotoxin Level	<0.01 EU per 1 µg of the protein by LAL test
Purity	≥ 95% purity



NS1 Protein of Zika Virus:

DAHKSEVAHRFKDLGEENFKALVLIIFAQYLQQCPFEDHVKLVNEVTEFAKTCVADESAENCDSLHTLFGDKLCTVATLRETYGEMADCCAQ
 EPERNECFLQHKDDNPNLPRLVPRPEVDVMCTAFHDNEETFLLKLYLIEIARRHPYFYAPELLFFAKRYKAAAFTECCQAADKAAACLLPKLDELDE
 GKASSAKQLKQSLQKFGERAFKAWAVARLSQRFPKAEFAEVSKLVTDLTQVHTECHGDLLECADRADLAKYICENQDSISSKLKECCEKP
 LLEKSHCIAEVENDEMPADLPSLAADFVESKDVCKNYAEAKDVFLGMFLYFYARRHPDYSVVLLLRRLAKTYETTLEKCCAAADPHECYAKVFDE
 FKPLVVEEPQNLIKQNCLEFQQLGEYKFNALLVRYTKKVPQVSTPTLVEVSRNLGKVGSKCKKHPEAKRMPCAEDYLSVVLNQLCVLHEKTPVS
 DRVTKCCTESLVNRRPCFSALEVDETYVPKEFNAETFTFHADICTLSEKERQIKKQATALVELVKHKPKATKEQLKAVMDDFAAFVEKCKKADK
 ETCFAEEGKLVAAASQAALGLGGGSGGGSGGGSGGGGS **ENLYFQG**
 DFSKKETRCGTGVFVYNDVEAWRDYKYHPDSPRRLAAAVKQAWEDGICGSISSVRMENIMWRSVEGELNAILEENGVQLTVVVGSVKNPMWRG
 PQRLPVPVNELPHGWKAWGKSYFVRAAKTNNFVVDGDTLKECPLKHWANSFLVEDHGFVFTSVWLKVREDYSLECDPAVIGTAVKGEAV
 HSDLGYWIESEKNDTWRLKRAHLIEMKTCEWPKSHTLWTDGIEESDLIIPKSLAGPLSHHNTREGYRTQMKGPWHSEELEIRFEPCPGTKVHVE
 ETCGTRGPSLRSTTASGRVIEEWCCRECTMPPLSFRAKDCGWYGMIEIRPRKEPESNLVRSVMVTAGHHHHHHH