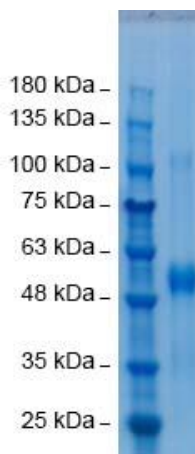


Zika Virus Envelope Protein

CATALOG NUMBER: ZV-E-005P, 50 µg

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 protein expressed in <i>E. coli</i> .
Viral Protein	C-terminal 6xHis tagged envelope protein (amino acid 291-710) of Zika virus (GenBank No. AMA12087)
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 with 6M Urea
Endotoxin Level	<0.01 EU per 1 µg of the protein by LAL test
Purity	≥ 95% purity



SDS-PAGE: purified envelope glycoprotein E of Zika virus

Envelope Glycoprotein E of Zika Virus:

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IRCIGVSNRDFVEGMSGGTWVDVVLHGGCVTVMAQDKPTVDIELVTTTVSNMAEVRSYCYEASISDMASDSRCPTQGEAYLDKQ
SDTQYVCKRTLVDNRGWNCGGLFGKGS�VTCAKFACSKKMTGKSIQPENLEYRIMLSVHGSQHSGMIVNDTGHETDENRAKVEIT
PNSPRAEATLGGFGLDCEPRTGLDFSDLYYLTMNNKHVLVHKEWFHDIPLPWAGADTGTPHWNNKEALVEFKDAHAKRQTV
VVLGSQEGAVHTALAGALEAEMDGAKGRLSSGHLKCRLLKMDKLRLLKGVSYSLCTAAFTFTKI PAETLHGTVTVEVQYAGTDGPCK
VPAQMAVDMQTLTPVGRLITANPVI TESTENSKMMLELDPFPGDSYIVIGVGEKKITHHWHRSGSTIGKAHHHHHH
    
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Reference:

Azevedo RS, et al. Zika virus epidemic in Brazil. I. Fatal disease in adults: Clinical and laboratorial aspects. *J. Clin. Virol.*, 85: 56-64, 2016.

