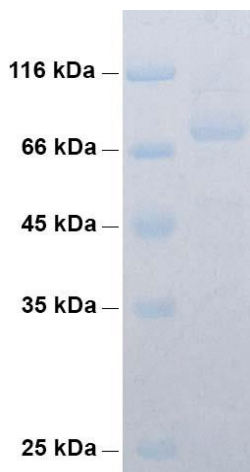


Zika Virus Envelope Glycoprotein E

CATALOG NUMBER: ZV-EG-50P, 50 µg, 1mg

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 HEK-293 cells
Viral Protein	Soluble envelope glycoprotein E (amino acid 291-710) of Zika virus (GenBank No. AMA12087) with a C-terminal CD4 sequence which can be removed by a TEV cutting site.
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



SDS-PAGE: purified envelope glycoprotein E of Zika virus

Envelope Glycoprotein E of Zika Virus:

IRCI GVS NRDFVEGMSGGTWVDIVLEHGGCVTVMAQDKPTVDIELVTTTVSNMAEVRSYCYEASISDMA SDRS RCPTQGEAYLDKQSDTQYVCKR
 TLVDRGWNGCGLFGKGS LVTCAKFACSKKMTGKSIQPENLE YRIMLSVHGSQHSGMIVNDTGHETDENRAKVEITPNSPRAEATLGGFGSLGL
 DCEPRTGLDFSDLYLLTMNNKHVLVHKEWFHDIPLPWHAGADTGTPHWNNKEALVEFKDAHAKRQTVVVLG SQEGAVHTALAGALEAEMDGA KG
 RLSSGHLKCR LKMDKLR LKGVSYSLCTAAFTFTKI PAETLHGTVTVEVQYAGTDG PCKVPAQMAVDMQTLTPVGRLITANPVI TESTENSKMML
 ELDP PFGDSYIVIGVGEKKITHHWRSGSTIGKA FEATVRGAKR **ENLYFQGAS** TSITAYKSEGESAEFSFPLNLGEE SLQGELRWKA EKAPSSQ
 SWITFSLKNQKVS VQKSTSNPKFQLSETLPLTLQIPQVSLQFAGSGNLTLLDRGILYQEVN LVVMKVTQPDSNTLTCEVMGPTSPKMRLILKQ
 ENQE ARVSRQEKVIQVQAPEAGVWQCLLSEGE EVKMSDKIQVLSKGLNKHHHHHH

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.

