

Recombinant ZIKV NS1 Protein, His-tagged

Cat. No. NS1-773Z Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant ZIKV NS1 protein with His tag was expressed in HEK293.
Species	Zika
Source	HEK293
ProteinLength	3423
Description	Plays a role in virus budding by binding to the host cell membrane and packages the viral RNA into a nucleocapsid that forms the core of the mature virus particle. During virus entry, may induce genome penetration into the host cytoplasm after hemifusion induced by the surface proteins. Can migrate to the cell nucleus where it modulates host functions.
Form	Lyophilized
Molecular Mass	42 kDa
AA Sequence	MKNPKKKSGGFRIVNMLKRGVARVSPFGGLKRLPAGLLLGHGPIRMVLAILAFLRFT AIKPSLGLINRWGSVGKKEAMEIHKFKKDLAAMLRIINARKEKKRRGADTSVGIVGLL LTTAMAAEVTRRGSAYMYLDRNDAGEAISFP TTLGMNKCYIQIMDLGHMCDATMS YEC PMLDEGV EPDDVDCWCNTTSTWVVYGTCHHKKGEARRSRAVTLPSHSTRKL QTRSQTWLESREYTKHLIRVENWIFRNPGFALAAAAIAWLLGSSTSQKVYILVMILLIA PAYSIRCIGVSNRDFVEGMSGGTWVDIVLEHGGCVTVMAQDKPTVDIELVTTT VSNM AEVRSYCYEASISDMASDSRCPTQGEAYLDKQSDTQYVCKRTLVDGRWGNGCGLF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GKGS LVTCAKFACSKKMTGKSIQPENLEYRIMLSVHGSQHS GMIVNDTGHETDENR
AKVEITPNSPRAEATLGGFGSLGLDCEPRTGLDFSDLYLTMNNKHV LHKWFHD
IPLPWHAGADTGT PHWNNKEALVEFKDAHAKRQT VVVLGSQEGAVHTALAGALEAE
MDGAKGRLSSGHLKCR LKMDKLR LKGVSYSLCTAAFTFTKIPAE TLHGTVTVEVQYA
GTDGPCKVPAQMAVDMQTLTPVGR LITANPVITESTENSKMMLELDPPFGDSYIVIG
VGEKKITHHWHRSGSTIGKA FEATVRGAKRMAVLGDTAWDFG SVGGALNSLGKGIH
QIFGA AFKSLFGGMSWFSQILIGTLLMWLGLN TKNGSISLMCLALGGVLIFLSTAVSA
DVGCSVDFSKKETRCGTGVFVYNDVEAWRDRYKYHPD SPRRLAAAVKQAWEDGIC
GISSVSRMENIMWRSVEGELNAILEENG VQLTVVVGSVKNP MWRGPQRLPVPVNEL
PHGWKAWGKSHFVRAAKTNSFVVDGDTLKECPLKHRAWNSFLVEDHGFGVFHT
SVWLKVREDYSLECDPAVIGTAVKGKEAVHSDLGYWIESEKNDTWRLKRAHLIEMK
TCEWPKSHTLWTDGIEESDLIIPKSLAGPLSHHNTREGYRTQMKG PWHSEELEIRFE
ECPGTKVHVEETCGTRGPSLRSTTASGRVIEEWCCRECTMPPLSFRAKDGCWYGM
EIRPRKEPESNLVRSMTAGSTDHMDHFS LGVLVILLMVQEG LKKRMTTKIIISTMA
VLVAMILGGFSMSDLAKLAILMGATFAEMNTGGDVAHLALIAAFKVRP ALLVSFIFRAN
WTPRESMLLALASCLLQTAISALEGDL MVLINGFALAWLAIRAMVVPRTDNITLAILAA
LTPLARGTLLVAWRAGLATCGGFMLLSLKGKGSVKKNLPFVMALGLTAVRLVDPINV
VGLLLLTRSGKRSWPPSEVLTAVGLICALAGGFAKADIEMAGPMAAVGLLIVSYVVS
GKSVDMYIERAGDITWEKDAEVTGNSPRLDVALDESGDFSLVEDDGPPMREILKVV
LMTICGMNPIAIPFAAGAWYVYVKTGKRSGALWDVPAPKEVKKGETTDGVYRVMTR
RLLGSTQVGVGMQEGVFHTMWHVTKGSALRS GEGRLDPYWGDVKQDLVSYCGP
WKLDAAWDGHSEVQLLAVPPGERARNIQTLPGIFKTKDGDIGAVALDYPAGTSGSPI
LDKCGRVIGLYGNGVVIKNGSYVSAITQGRREEETPVECFEPSMLKKKQLTVLDLHP
GAGKTRRVLPEIVREAIKTRLRTVILAPTRVVAEMEEALRGLPVRYMTTAVNVTHSG
TEIVDLMCHATFTSRLLQPIRVPNYNLYIMDEAHFTDPSSIAARGYISTRVEMGEAAAI
FMTATPPGTRDAFPDSNSPIMDTEVEVPERAWSSGFDWVTDYSGKTVWFVPSVRN
GNEIAACLTKAGKRVIQLSRKTFETEFQKTKHQE WDFVTTDISEMGANFKADRVID
SRRCLKPVILDGERVILAGPMPVTHASAAQRRGRIGRNPKNKPGDEYLYGGGCAETD
EDHAHWLEARM LLDNIYLQDGLIASLYRPEADKVA AIEGEFKLRTEQRKTFVELMKR
GDLPVWLAYQVASAGITYTDRRWCFDGTNTIMEDSVPAEVWTRHGEKRV LKPR

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA



WMDARVCSDDHAALKSFKEFAAGKRGAAFGVMEALGTLPGHMTERFQEIDNLAFL
MRAETGSRPYKAAAAQLPETLETIMLLGLLGTVSLGIFVLMRNKGIGKMGFGMVTL
GASAWLMWLSEIEPARIACVLIVVFLLLVLIPEPEKQRSPQDNQMAIIMVAVGLLGLI
TANELGWLERTKSDLSHLMGRREEGATMGFSMDIDLRPASAWAIYAALTTFITPAVQ
HAVTTSYNNYSLMAMATQAGVLFMGKGMFPYAWDFGVPLLMIGCYSQLTPLTLIV
AIILLVAHYMYLIPGLQAAAAARAAQKRTAAGIMKNPVVDGIVVTDIDTMTIDPQVEKMM
GQVLLMAVAVSSAILSRTAWGWGEAGALITAATSTLWEGSPNKYWNSSTATSLCNIF
RGSYLAGASLIYTVTRNAGLVKRRGGGTGETLGEKWKARLNQMSALEFYSYKKSGI
TEVCREEARRALKDGVATGGHAVSRGSAKLRWLVERGYLQPYGKVIDLGCGRGG
WSYYAATIRKVQEVKGYTKGGPGHEEPVLVQSYGWNIVRLKSGVDVFHMAAEPD
TLLCDIGESSSSPEVEEARTLRVLSMVGDWLEKRPGAFCIKVLCPYTSTMMETLERL
QRRYGGGLVVRVPLSRNSTHEMYWVSGAKSNTIKSVSTTSQLLLGRMDGPRRPVKY
EEDVNLGSGTRAVVSCAEAPNMKIIGNRIERIRSEHAETWFFDENHPYRTWAYHGS
YEAPTQGSASSLINGVVRLLSKPWDVVTGVTGIAMTDTTPYGQQRVFKEKVDTRVP
DPQEGTRQVMSMVSSWLWKELGKHKRPRVCTKEEFINKVRSNAALGAIFEEKEW
KTAVEAVNDPRFWALVDKEREHHLRGECQSCVYNMMGKREKKQGEFGKAKGSRAI
WYMWLGARFLEFEALGFLNEDHWMGRENSGGGVEGLGLQRLGYVLEEMSRIPGG
RMYADDTAGWDTRISRFDLENEALITNQMEKGHRAALALAIKYTYQNKVVKVLRPAE
KGKTVMDIISRQDQRGSGQVVTYALNTFTNLVVQLIRNMEAEEVLEMQDLWLLRRS
EKVTNWLQSNGWDRLLKRMVSGDCCVVKPIDDRFAHALRFLNDMGKVRKDTQEW
KPSTGWDNWEEVPFCSHHFNKLHLKDGRSIVVPCRHQDELIGRARVSPGAGWSIR
ETACLAKSQAQMWQLLYFHRRDLRLMANAICSSVPVDVWPTGRTTWSIHGKGEWM
TTEDMLVVWNRVWIEENDHMEDKTPVTKWTDIPYLGKREDLWCGSLIGHRPRTTW
AENIKNTVMNVRRIIGDEEKYMDYLSTQVRYLGEEGSTPGVL

Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term).

After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name POLY polyprotein [Zika virus]

Official Symbol NS1

Synonyms POLY; polyprotein; polyprotein; capsid protein C; membrane glycoprotein precursor prM; envelope protein E; nonstructural protein NS1; nonstructural protein NS2A; nonstructural protein NS2B; nonstructural protein NS3; nonstructural protein NS4A; nonstructural protein NS4B; RNA-dependent RNA polymerase NS5; anchored capsid protein ancC; protein pr; membrane glycoprotein M; protein 2K


Gene ID 7751225

Protein Refseq YP_002790881

UniProt ID Q32ZE1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA