

Zika ZGE Recombinant Protein/Genome polyprotein

PX-P3065-10

DESCRIPTION

The genome of Zika virus encodes a single polyprotein that is co- and post-translationally cleaved to generate 13 proteins. For example the peptide pr prevents premature fusion activity of envelope proteins in trans Golgi by binding to envelope protein E at pH6.0. After virion release in extracellular space gets dissociated from E dimers. Non-structural protein 4A induces host endoplasmic regulate the ATPase activity of the NS3 helicase. Non-structural protein 1 is implicated in immune evasion, pathogenesis and viral replication. Once cleaved off the polyprotein is targeted to three destinations: the viral replication cycle, the plasma membrane and the extracellular compartment. It may play a role in viral genome replication etc.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Zika
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	54.6 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	85%
PROTEIN ACCESSION	
FORM	Frozen
BUFFER	PBS,pH7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID

SWISSPROTID

UNIPROT ID A0A140E7U5

UNIPROT LINK <http://www.uniprot.org/uniprot/A0A140E7U5>

NCBI GENE ALIASES

SYNONYMS ZGE, Genome polyprotein

PROTEIN SEQUENCE

MIRCIQVSNRDFVEGMSGGTWVDVVLEHGGCVTAMAQDKPTVDIELVTTTNSNMAEVRSYCYEASISDMASDSRCPTQGEAYLDKQSDTQYVCKRTLVDRGW
GNGCGLFGKGS�VTCAKFACSKKMTGKSIQPENLEYRIMLSVHGSQHSGLVNDTGHETDENRAKVEITPNSPRAEATLGGFGSLGLDCEPRTGLDFSDLYYLTM
NNKHWAHKEWFHDIPLPWHAGAATGTPHWNNKEALVEFKDAHAKRQT

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