Recombinant Zika virus POLY Protein (Asp791-Ser1144), C-His tagged, Animal-free, Carrier-free

Cat. No. POLY-297Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Zika virus POLY Protein (Asp791-Ser1144) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Zika
Source	E.coli
ProteinLength	Asp791-Ser1144
Description	Zika virus (ZIKV), a member of Flaviviridae family, is an emerging disease that is spread by Aedes mosquitoes. ZIKV is composed of 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 and NS5. ZIKV NS1 protein is containing 355 amino acids with polyhistidine tag at the C-terminus. ZIKV NS1 protein is a multifunctional virulence factor. The glycosylated NS1 exists as a membrane-associated dimer after translocation into the endoplasmic reticulum lumen, where it is essential for viral genome replication
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 41.16 kDa. The protein migrates as 35-48 kDa under reducing condition (SDS-PAGE analysis).
Purity	>98% as determined by SDS-PAGE analysis.

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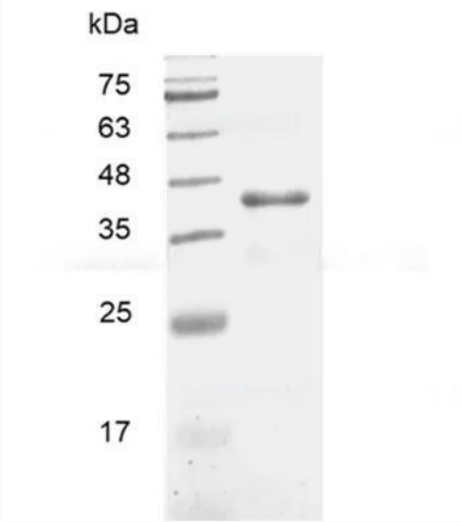
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	POLY polyprotein [Zika virus]
Official Symbol	POLY
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; E; NS1
Gene ID	www.ncbi.nlm.nih.gov/gene/7751225
Protein Refseq	YP_002790881
UniProt ID	Q32ZE1

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SDS-PAGE analysis of recombinant ZIKV NS1 protein.



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