Data Sheet (Cat.No.TMPY-05024)

TargetMol

Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-NS5 protein (His)

General Information

Protein Construction:	A DNA sequence encoding the Zika virus (ZIKV) (strain ZikaSPH2015) NS5 (ALU33341.1) (Lys2772-Leu3423) was expressed with a polyhistidine tag at the C-terminus. Predicted N terminal: Lys 2772
Species:	ZIKV
Expression Host:	Baculovirus Insect Cells
Accession:	ALU33341.1
Molecular Weight:	76.7 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as sterile 20 mM PB, 100 mM NaCl, 50% glycerol, pH 7.0, 0.5 mM TCEP.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store the product under sterile conditions at -20°C to -80°C. Samples are stable for up to 12 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Zika virus NS5 is involved in methytransferase and RNA guanylytransferase activities and capping and synthesis of RNA. And, NS5 is also an RNA-dependent RNA polymerase.

Reference

Wong SS-Y, et al., Zika virus infectiondthe next wave after dengue?, Journal of the Formosan Medical Association (2016)

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481