ZIKV E Protein, His Tag, E. coli

Catalog Number	LDG001PVE
Package	5 μg / 20 μg / 100 μg / 1 mg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin

Zika virus

Expression system

Escherichia coli

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.

Purity

>98% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 55.03 kDa.
The protein migrates as 48-63 kDa under reducing condition (SDS-PAGE analysis).

Form

Lyophilized

Background

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Background

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 E protein is containing 501 amino acids with polyhistidine tag at the C-terminus. ZIKV E protein composes the majority of the virion surface and it is involved with replication, such as host cell binding and membrane fusion.

Synonyms

Genome polyprotein

Uniprot ID

#Q32ZE1

Sequence Note

Ile291-Ala790

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 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°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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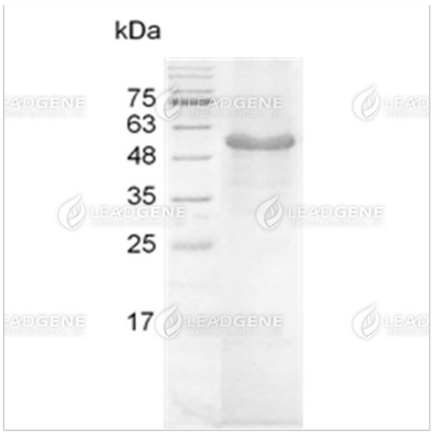

SDS-PAGE analysis of recombinant ZIKV E protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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