

Product Name: Recombinant CHIKV NSP2 Protein, N-GST-His
Catalog #: PEV60000



Summary

Name	CHIKV NSP2
Purity	>90% as determined by SDS-PAGE.
Endotoxin level	Please contact with the lab for this information
Construction	Recombinant CHIKV NSP2 Protein is produced by our E.coli expression system and the target gene encoding Asp1004-Gln1327 is expressed with a GST-tag and 6His-tag at the N-terminus
Accession #	A6MH24
Host	E.coli
Species	Chikungunya virus (CHIKV)
Predicted Molecular Mass	71.12 kDa
Formulation	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS
Shipping	The product is shipped at ambient temperature.Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at -70°C/-20°C, stable for 6 months after receipt.Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening.Do not mix by vortex or pipetting.It is not recommended to reconstitute to a concentration less than 100µg/ml.Dissolve the lyophilized protein in distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Alternative Names

CHIKV NSP2

Background

Chikungunya virus (CHIKV) NSP2 is a multifunctional nonstructural protein essential for viral replication. It possesses RNA helicase, RNA triphosphatase, and protease activities, enabling it to unwind viral RNA, process the nonstructural polyprotein, and regulate replication complex formation. NSP2 also plays a role in suppressing host antiviral responses by interfering with innate immune signaling. Due to its pivotal functions in CHIKV replication and host interaction, NSP2 is widely studied as a target for antiviral drug development and molecular virology research.

Note

For Research Use Only , Not for Diagnostic Use.