

# CHIKV Mutant Recombinant Protein



RPPB5647

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## Product Information    Protein Information

**Product SKU:**

RPPB5647

**Accession:**

G0LWX6

**Host:**

Insect cells.

**Protein description:**

Recombinant Chikungunya Mutant (A226V) E1 produced in Insect Cells is a polypeptide chain containing amino acids 1-415, however at position 226 the Alanine of the wild-type CHIKV E1 gene was mutated to Valine. The molecular weight of the CHIKV Mutant is approximately 50kDa. The E1 protein is C-terminal part of E2-6K-E1 protein region. CHIKV Mutant is purified by proprietary chromatographic technique.

**Appearance:**

Sterile filtered colorless solution.

**Formulation:**

CHIKV Mutant protein solution in 1xD-PBS, pH7.4, 0.1% Thimerosal, 5mM EDTA, 1µg/ml of Leupeptin, Aprotinin and Pepstatin A.

**Purity:**

Protein is >95% pure as determined by 12.5% SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

YEHVTVIPNTVGVYKTLVNRPGYSPMVLEMELLSVTLEPTLSLDYITCEYKTVIPSPYVKCCGTAECKDKNLPDYSCK  
VFTGVYPFMWGGAYCFDAENTQLSEAHVEKSESKTEFASAYRAHTASASAKLRVLYQGNNITVAYANGDHAV  
TVKDAKFIVGPMSSAWTPFDNKIVVYKGDVYNMDYPPFGAGRPGQFGDIQSRTPEKDVYANTQLVLQRPVAVGT  
VHVYPSQAPSGFKYWLKERGASLQHTAPFGCQIATNPVRAVNCVGNMPPISIDIPAAAFTRVVDAPSLTDMSCVEP  
ACTHSSDFGGVAIIKYAASKKGGKCAVHSMNTNAVITIREAEIEVEGNSQLQISFSTALASAEFRVQVCSTQVHCAAACH  
PPKDHIVNYPASHTTLGQDISATAMSWVQKITGG.