

Chikungunya Mutant (A226V) E1 Recombinant

Item Number	rAP-5120
Synonyms	
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
Uniprot Accession Number	G0LWX6
Amino Acid Sequence	YEHVTVIPNTVGVPYKTLVNRPGYSPMVLEMELLSVTLEPTLSLDYITCEYKTVIP- SPYVKCCGTAECKDKNLPDYCKVFTGVYPFMWGGAYCFDAENTQLSEAHVEKSECKTEFASAYRAH TASASAKLRVLYQGNNITVTAYANGDHAVTVKDAKFIVGPMSSAWTPFDNKIVVYKGDVYNMDYPPFGAG RPGQFGDIQSRTPEKDVYANTQLVLQRPVAVGTVHVPYSQAPSGFKYWLKERGASLQHTAPFGCQIATNP VRAVNCAVGNMPPISIDIPEAAFTRVVDAPSLTDMSCVEPACTHSSDFGGVAIIKYAASKKGGKCAVHSMSTNAV TIREAEIEVEGNSQLQISFSTALASAEFRVQVCSTQVHCAAECPPKDHIVNYPASHTTLGQDISATAMSWV
Source	Insect cells.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	CHIKV Mutant protein solution in 1xD-PBS, pH7.4, 0.1% Thimerosal, 5mM EDTA, 1µg/ml of Leupeptin, Aprotinin and Pepstatin A. Protein is >95% pure as determined by 12.5% SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**