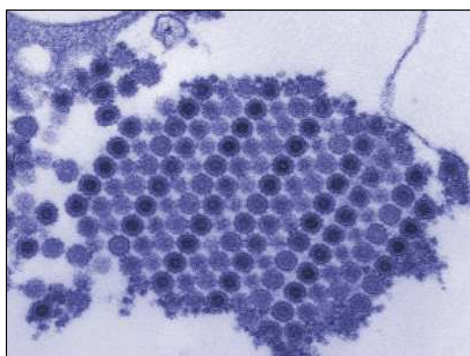


## Recombinant Mutant (A226V) Chikungunya Virus E1 Envelope Protein (CHIKV E1)



CDC electron micrograph

**Chikungunya Virus** is a small single stranded RNA virus. The virus is spread by the mosquito vectors *Aedes aegypti* and *Aedes albopictus*. Chikungunya infection can cause fever, headache, rash, and severe joint pain. The spread of the disease had been localized to the tropical belt (Sub-saharan Africa, South Asia, Southeast Asia, Central & South America) but cases are now found in the Caribbean and most recently the United States. The E1 A226V mutation allowed for more efficient infection of the *Aedes albopictus* mosquito and therefore spread of Chikungunya Virus in areas where the *Aedes aegypti* mosquito was not prevalent.

PRODUCT DESCRIPTION:	Recombinant mutant (A226V) Chikungunya Virus E1 Envelope Protein (CHIKV E1) ectodomain.
CATALOG NUMBER:	A249
SOURCE:	Recombinant protein expressed in insect cells (Baculovirus recombinant protein).
CONCENTRATION:	1 mg/ml
PURITY:	>95% pure. Single band by SDS-PAGE.
BUFFER:	PBS, pH 7.4 with 0.05% sodium azide as preservative.
PURIFICATION:	Purified by proprietary affinity chromatography methodologies.
STORAGE:	Store at -20°C or lower. Avoid multiple freeze/thaw cycles.
BIOHAZARD:	A249 mutant E1 envelope protein is a recombinant protein. The product does not contain any intact virus or infectious agents.
INTENDED USE:	For Research Use Only. Suitable for use in immunoassay development or other applications.