



# DENV type 3 Envelope protein (C-terminal, 15 kDa) (DAGA-092)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

**Antigen Description** Caused by one of four closely related virus serotypes of the genus *Flavivirus*, family *Flaviviridae*, each serotype is sufficiently different that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and mice Morpholino antisense oligos have shown specific activity against Dengue virus. The E.coli derived recombinant 15kDa protein is genetically engineered peptide which is derived from Dengue Type-3 envelope III domain immunodeterminant regions. The expressed dengue envelope Type-3 envelope III domain peptide has 100 amino acids covering domain III region from amino acids 300-400, and is fused with a 6 His Tag. This peptide is particularly important for diagnostic and vaccine development as it contains multiple serotypes, neutralizing epitopes and receptor binding domain.

**Purity** Protein is >95% pure as determined by 12% PAGE (coomassie staining).

**Conjugate** Unconjugated

**Applications** N/A

**Molecular Weight** 15 kDa

**Stability** Stable at 4°C for 1 week. Please prevent freeze thaw cycles.

**Format** Solution

**Size** 100 µg, 500 µg, 1 mg

**Buffer** Phosphate buffered saline, pH-7.4 and 50mM arginine.

**Preservative** None

**Storage** Stored below -18°C.

## BACKGROUND

**Keywords**

Dengue virus 1; Flavivirus; DENV Envelope Protein; DV1 Envelope Protein; Dengue Virus 1 Envelope Protein; DENV type 3 Envelope protein

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