



# DENV type 1 Envelope protein (C-terminal) (DAGA-094)

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 C terminus of Dengue Type-1 envelope. The expressed protein contains neutralizing epitopes and receptor binding domain, it has been used in the study for vaccine development. A 6 x His Tag is fused at its C-terminus.

<b>Nature</b>	Recombinant
<b>Expression System</b>	E. coli
<b>Purity</b>	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	N/A
<b>Molecular Weight</b>	15 kDa
<b>Stability</b>	Stable at 4°C for 1 week. Please prevent freeze thaw cycles.
<b>Procedure</b>	None
<b>Format</b>	Solution
<b>Size</b>	100µg; 500µg; 1000µg
<b>Buffer</b>	1xPBS pH 7.4.
<b>Preservative</b>	None
<b>Storage</b>	Stored below -18°C.
<b>Ship</b>	Ice Packs

# BACKGROUND

## Keywords

DENV-1 E; Dengue E glycoprotein; Dengue Type-1 Envelope; Dengue envelope glycoprotein; Dengue glycoprotein E; Dengue virus envelope glycoprotein; Dengue virus glycoprotein E; Flaviviridae; Flavivirus; DENV type 1 Envelope protein

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