



# DENV type 2 Envelope protein (14 kDa) (DAGA-065)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Envelope protein E takes part in membrane fusion between virion and host late endosomes. Virus Envelope 2 is synthesized as a homodimer with prM which plays a role as a chaperone for envelope protein E. Envelope protein E departs from small envelope protein M and homodimerizes after cleavage of prM. Recombinant Dengue Envelope 2 produced in <i>E. coli</i> is a single polypeptide chain containing 126 amino acids (aa 298-400) and having a molecular mass of 13.8kDa. Recombinant Dengue Envelope 2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Purity</b>	Greater than 95% as determined by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	N/A
<b>Molecular Weight</b>	14 kDa
<b>Stability</b>	For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Format</b>	Solution
<b>Size</b>	5 µg, 20 µg, 1 mg
<b>Buffer</b>	The Dengue Envelope 2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.

Ship

Ice Packs

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## BACKGROUND

**Keywords**

Membrane glycoprotein precursor; Dengue virus 2; Flavivirus; DENV; NS1 Protein; Non Structural Protein; Dengue Type 2; Dengue Type 2; DEN2; Dengue NS1; Dengue Virus NS1

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