



# Recombinant Dengue type 2 envelope Protein [His] (13.8 kDa) (DAG-T2710)

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

## PRODUCT INFORMATION

<b>Species</b>	DENV
<b>Purity</b>	> 95% pure
<b>Conjugate</b>	His
<b>Applications</b>	SDS-PAGE
<b>Molecular Weight</b>	13.8 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	500 ug/ml
<b>Size</b>	100 µg
<b>Buffer</b>	Supplied in liquid form in 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
<b>Preservative</b>	None
<b>Storage</b>	Can be stored at 4 °C short term. For long term storage, aliquot and store at -20 °C or -70 °C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

<b>Introduction</b>	Envelope protein E binding to host cell surface receptor is followed by virus internalization through clathrin-mediated endocytosis. Envelope protein E is subsequently involved in membrane fusion between virion and host late endosomes. This protein is synthesized as a
---------------------	--

homodimer with prM which acts as a chaperone for envelope protein E. After cleavage of prM, envelope protein E dissociate from small envelope protein M and homodimerizes.

---

<b>Keywords</b>	Dengue virus; DENV; DENV envelope
-----------------	-----------------------------------

---