



# Recombinant Dengue Virus serotype 4 DIII envelope protein [His] (DAGC045)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant protein (11.2 kDa) manufactured in E. coli. Contains the Immunoglobulin-like domain DIII of Dengue virus serotype 4 (DENV4) envelope protein. Protein contains a His-tag and has an approximate pI of 6.7-7.
<b>Species</b>	DENV
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	ELISA, WB, LFIA
<b>Molecular Weight</b>	11.2 kDa
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	20mM Carbonate buffer pH9.6
<b>Preservative</b>	None
<b>Storage</b>	Upon arrival, store at -80°C.
<b>Ship</b>	Dry ice

## BACKGROUND

<b>Introduction</b>	Dengue virus envelope protein is a major structural glycosylated protein that forms homodimers on the virion surface. Each envelope protein is organised into three domains, the central
---------------------	--

domain DI, the dimerization domain DII and an immunoglobulin-like domain DIII. Envelope protein DIII is reported to be a receptor-recognition and binding domain, and an important target for the human immune response. The DIII domain is highly immunogenic and elicits the production of neutralising antibodies against the wild-type virus.

---

**Keywords**

DENV; DENV type 4; DENV E Protein; DENV DIII Envelope Protein; DENV type 4 E Protein DIII

---