



Recombinant Dengue Virus serotype 3 DIII envelope protein [His] (DAGC044)

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

PRODUCT INFORMATION

Product Overview	Recombinant protein (11.5 kDa) manufactured in <i>E. coli</i> . Contains the Immunoglobulin-like domain DIII of Dengue virus serotype 3 (DENV3) envelope protein. Protein contains a His-tag and has an approximate pI of 6.7-7.
Species	DENV
Purity	> 95% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, WB, LFIA
Molecular Weight	11.5 kDa
Format	Liquid
Size	100 µg
Buffer	20mM Carbonate buffer pH9.6
Preservative	None
Storage	Upon arrival, store at -80°C.
Ship	Dry ice

BACKGROUND

Introduction	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
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domain D1, the dimerization domain D2 and an immunoglobulin-like domain D3. Envelope protein D3 is reported to be a receptor-recognition and binding domain, and an important target for the human immune response. The D3 domain is highly immunogenic and elicits the production of neutralising antibodies against the wild-type virus.

Keywords DENV; DENV type 3; DENV E Protein; DENV D3 Envelope Protein; DENV type 3 E Protein D3
