



Recombinant Dengue Virus serotype 1 DIII envelope protein [His] (DAGC098)

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

PRODUCT INFORMATION

Product Overview	Recombinant protein (11.3 kDa) manufactured in E. coli. Contains the Immunoglobulin-like domain DIII of Dengue virus serotype 1 (DENV1) 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	11.3 kDa
Format	Liquid
Size	100 µg
Buffer	20mM Carbonate buffer pH 9.6
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 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 1; DENV E Protein; DENV DIII Envelope Protein; DENV type 1 E Protein DIII
