



# Recombinant DENV type 3 Envelope Protein (a.a. 300-400) [His] (DAG457)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Dengue Type-3 Envelope Domain III (amino acids 300-400) immunodominant regions, was expressed in E. coli. This region contains neutralizing epitopes, and receptor binding domain. Reacts with Dengue Type 3 IgG. Contains a 6-His fusion partner, w
<b>Species</b>	DENV
<b>Purity</b>	> 95% pure (12% SDS-PAGE (Coomassie)). Proprietary chromatographic technique
<b>Conjugate</b>	His
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	1.05 mg/ml
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

**Introduction** Dengue virus (DENV) in one of four serotypes is the cause of dengue fever. It is a mosquito-

borne single positive-stranded RNA virus of the family Flaviviridae; genus Flavivirus. All four serotypes can cause the full spectrum of disease. Its genome is about 11000 bases that codes for three structural proteins, capsid protein C, membrane protein M, envelope protein E; seven nonstructural proteins, NS1, NS2a, NS2b, NS3, NS4a, NS4b, NS5; and short non-coding regions on both the 5' and 3' ends. Further classification of each serotype into genotypes often relates to the region where particular strains are commonly found or were first found.

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**Keywords**

DENV; Dengue Virus Envelope Protein; DENV Envelope Protein; Dengue virus

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