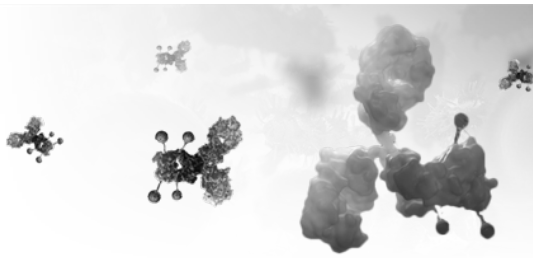

Recombinant DENV type 1 Envelope (N-terminus) [His] (DAG3286)

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

PRODUCT INFORMATION

Product Overview	The E.coli derived recombinant 22 kDa protein is genetically engineered peptide which is derived from Dengue Type-1 N-terminus Envelope immunodeterminant regions and fused with a 6 aa His Tag. This region also contains a common antigen for Dengue type 1, 2 and 3.
Species	DENV
Purity	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
Conjugate	His
Applications	Each laboratory should determine an optimum working titer for use in its particular application.
Molecular Weight	22 kDa
Format	Liquid
Size	100 µg, 500 µg, 1 mg
Buffer	Phosphate buffered saline, pH-7.4.
Preservative	None
Storage	Dengue Envelope ST1 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

BACKGROUND

Introduction	Dengue virus (DENV) is an enveloped, single-stranded, positive-sense RNA virus that includes four related but distinct serotypes (DENV1, 2, 3, and 4). It encodes three structural proteins

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	(capsid, membrane and envelope) and seven non-structural proteins (NS1,-2a, -2b, -3, -4a, -4b and -5). The envelope (E) glycoprotein mediates virion attachment to the receptor and fusion of the virus envelope with the target cell membrane. The recombinant E protein can be used in diagnostic assays for the detection of either primary or secondary dengue infection, to overcome safety issues associated with the use of whole virus.
Keywords	DENV; Dengue Virus Envelope Protein; DENV Envelope Protein; Dengue virus; DENV-1 E Protein; DENV-1

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