



## Recombinant DENV type 2 PreM Protein [His] (DAG1658)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant dengue 2 premembrane is a whole length peptide expressed from E. coli with 18kDa in size. PreM is considered as a signal peptide responsible for dengue envelope translocation in cells. Experiment showed it can elicit protective immune response, it is considered as a potential target for vaccine development. Recombinant dengue 2 PreM is fused with a 6xHis tag.
<b>Species</b>	DENV
<b>Purity</b>	Protein is >95% pure as determined by 12% PAGE (coomassie staining).
<b>Conjugate</b>	His
<b>Applications</b>	Each laboratory should determine an optimum working titer for use in its particular application.
<b>Molecular Weight</b>	18 kDa
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH-7.4
<b>Preservative</b>	0.05% Sodium Azide
<b>Storage</b>	Recombinant dengue 2 premembrane although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

### 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; DENV PreM Protein; DENV PreM; Dengue virus; Dengue virus PreM; DENV-2 PreM; DENV-2

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