



Recombinant DENV type 1 Envelope (12 kDa) [His] (DAG3287)

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

PRODUCT INFORMATION

Product Overview	Recombinant Dengue Virus Envelope ST1 D-III
Specificity	The E. coli derived recombinant 12 kDa protein is derived from the dengue type-1 envelope III domain immunodeterminant region. This protein spans amino acids 300-400 of the domain III region and is fused with a 6 His tag. The protein is particularly impor
Species	DENV
Conjugate	His
Applications	The end user must determine the optimum working titer for each particular application.
Preservative	None
Storage	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.
Keywords	Dengue Virus 1+2+3+4; Dengue Virus Type 1, 2, 3, 4; Group IV; Flaviviridae; Flavivirus; Dengue virus; Dengue Virus; DENV