



# Recombinant Dengue Virus Serotype 3 Envelope Protein [His] (DAG-WT3272)

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

## PRODUCT INFORMATION

**Purity** > 95% as determined by SDS-PAGE

**Conjugate** His

**Applications** ELISA, WB

**Molecular Weight** 45 kDa

**Format** Liquid

**Size** 1 mg

**Buffer** PBS, 5% mannitol, 0.01% Tween80, pH7.4

**Preservative** None

**Storage** Store at -20°C to -80°C

## 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; DENV; Envelope protein; E protein