

Name	Dengue Envelope-2, Insect
Description	Dengue Virus Subtype 2 Recombinant, Insect Cells
Catalog Number	MBS145383
Shipped	Shipped with Ice Packs

INTRODUCTION

Caused by one of four closely related virus serotypes of the genus *Flavivirus*, family *Flaviviridae*, each serotype is sufficiently different that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and mice Morpholino antisense oligos have shown specific activity against Dengue virus.

DESCRIPTION

Recombinant Dengue Virus Subtype 2 produced in Insect Cells is a polypeptide chain containing amino acids 2-395 & having a molecular weight of approximately 45.3 kDa. Dengue Envelope-2 is purified by proprietary chromatographic technique.

SOURCE

Insect cells.

PHYSICAL APPEARANCE

Sterile filtered colorless solution.

FORMULATION

Dengue Envelope-2 protein solution in 1xD-PBS, pH7.4, 1µg/mL Pepstatin A, 0.099% Thimerosal, 1µg/mL Leupeptin, 1µg/mL Aprotinin, & 2.5% D-trehalose.

STABILITY

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Avoid multiple freeze-thaw cycles.

PURITY

Protein is $\geq 95\%$ pure as determined by 12.5% SDS-PAGE.

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