
Product Data Sheet

Product Name: Dengue Envelope-1, Insect

Cat. No.: GP25541

Batch No.: 1

Product Data

Purity >98%

Source Insect cells.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Amino Acid Sequence

mrcvgignrd fveglsgatw vdvvlehgsc vttmakdkpt ldiellktev tnpavlrklc
 ieakisnttt dsrctqgea tlveeqdanf vcrrtfvdrq wngcgifgk gslitcakfk
 cvtklegkiv qyenlkysvi vtvtgdqhq vgnettehgt iatitpqapt seiqltdyga
 ltlcdsprtq ldfnemvllt mkekswlvhk qwfldlplpw tsgastsqet wnrqdlvtf
 ktahakkqea vvlgsqegam htaltgatei qtsgtttifa ghkcrkmd kltlkgisyv
 mctgsfklek evaetqhgvt lvqvkyegtd apckipfssq dekgvtqngr lvtanpivtd
 kekpvnieae ppfgesyivv gagekalkls wfkkg.

Formulation Dengue Envelope-1 protein solution in 1xD-PBS, pH7.4, 0.1% Thimerosal, 5mM EDTA, 1µg/ml of Leupeptin, Aprotinin and Pepstatin A.

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.

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.

Background

Recombinant Dengue Virus Subtype 1 produced in Insect Cells is a polypeptide chain containing amino acids 281-675 and having a molecular weight of approximately 50kDa. Dengue Envelope-1 is purified by proprietary chromatographic technique.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA