



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Recombinant Dengue Virus Envelope Protein-1

Catalog No.
228-10311

Source
E. Coli

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

The E.coli derived recombinant 28 kDa protein is genetically engineered peptide which is derived from Dengue Type-2 Envelope. This region also contains a common antigen for Dengue type 2, 3 and 4.

Method

Purified by proprietary chromatographic technique.

Formulation

50mM sodium chloride-phosphorous buffer, pH-7.5.

Purity

Protein is >95% pure as determined by 10% PAGE (coomassie staining).

Storage

Protein is shipped at ambient temperature.
Upon arrival, Store at -20°C.

Stability

Five years frozen. One month in solution at room temperature.

Amino acid sequence

ATLRKYCIEAKLTNTTTDSRCPTQGEPSLNEEQDKRFVCKHSMADRGWNGCGLFGKGG
IVTCAMFTCKKNMK
GKVVQPENLEYTIVITPHSGEEHAVGNDTGKHGKEIKITPQSSITEAELTYGAVTMEC
SPRTGLDFNEMVLL QMENKAWLVHRQWFLDLP.

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