

Recombinant DENV2 NS1 Protein, His-tagged

Cat. No. NS1-01V Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant dengue virus serotype 2 NS1 protein, sequence strain Thailand/16681/84, with a C-terminal 6 x His-tag, expressed in 293 human cells.

Species DENV2

Source HEK293

Description Dengue virus is common mosquito-borne infection and a major cause of morbidity in tropical and subtropical regions. There is currently no vaccine to prevent, or effective anti-viral drugs to treat, dengue virus infection. In many cases infection is asymptomatic and the majority of individuals who get ill only suffer the mild, non-specific febrile symptoms characteristic of dengue fever (DF). Only a minority of infections result in severe disease, manifesting as dengue hemorrhagic fever (DHF) or dengue shock syndrome (DSS). Dengue virus infection gives lifelong immunity to the serotype in question but subsequent infection with another serotype may increase the likelihood of severe disease.

Form Liquid

Purity > 95% SDS-PAGE

Applications ELISA

Stability 12 months from date of despatch

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -70 centigrade.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

Storage Buffer Dulbecco's phosphate buffered saline

Preservative None present

GENE INFORMATION

Gene Name POLY polyprotein [Dengue virus 2]

Official Symbol POLY

Synonyms POLY; polyprotein; polyprotein gene; polyprotein; anchored capsid protein ancC; capsid protein C; membrane glycoprotein precursor prM; membrane glycoprotein M; envelope protein E; nonstructural protein NS1; nonstructural protein NS2A; nonstructural protein NS2B; nonstructural protein NS3; nonstructural protein NS4A; protein 2K; nonstructural protein NS4B; RNA-dependent RNA polymerase NS5; protein pr; contains structural proteins, C-prM/M-E and non-structural proteins, NS1-NS2A/B-NS3-NS4A/B-NS5

Gene ID 1494449

Protein Refseq NP_056776

UniProt ID O09234

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