

# Recombinant Dengue flavivirus polyprotein gene protein, His-tagged

**Cat. No.** flavivirus polyprotein gene-43D    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | The E.Coli derived recombinant protein contains the NS1 Dengue Virus full length Type-3 immunodominant regions, migrates as 45kDa on 12% SDS-PAGE gel. The dengue protein is fused to a 6xHis tag at C-terminus.                                                                                                                                                          |
| <b>Species</b>          | DENV                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Phosphate buffered saline and 50mM arginine.                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | 45kDa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | Protein is >90% pure as determined by 12% PAGE (coomassie staining).                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>     | Immunoassay.                                                                                                                                                                                                                                                                                                                                                              |
| <b>Usage</b>            | The products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household                                                                                                                                                                                                              |

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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | chemicals.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | Dengue NS1, ST3 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Shipping</b>         | Ice Packs                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Full Length</b>      | Full L.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | flavivirus polyprotein gene flavivirus polyprotein [ Dengue virus 3 ]                                                                                                                                                                                                                                                                                                                                            |
| <b>Official Symbol</b>  | flavivirus polyprotein gene                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | flavivirus polyprotein gene; flavivirus polyprotein; anchored capsid protein C; capsid protein C; membrane glycoprotein precursor M; 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 |
| <b>Gene ID</b>          | 5075727                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>   | YP_001621843.1                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | Q6YMS4                                                                                                                                                                                                                                                                                                                                                                                                           |