

## Recombinant DENV4 DIII E Protein

**Cat. No.** DIII E-04D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein (11.2 kDa) manufactured in E. coli. Contains the Immunoglobulin-like domain DIII of Dengue virus serotype 4 (DENV4) envelope protein. Protein contains a His-tag and has an approximate pI of 6.7-7.                                                                                                                                                                                                                                                      |
| <b>Species</b>          | DENV4                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Dengue virus is a member of the flavivirus family, which includes Zika virus, West Nile virus and Japanese Encephalitis virus. Many of the proteins expressed by these viruses are very similar, and serological testing for these viruses can be complicated by problems of cross-reactivity. In this context, the use of highly purified antigens, that are glycosylated and folded as native proteins can be highly important in the development of accurate immunoassays. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 11.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | ELISA, Western blotting and lateral flow assays.<br>For Research Use Only.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Protein is shipped on dry ice.                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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Upon arrival, store at -80 centigrade.

|                       |                              |
|-----------------------|------------------------------|
| <b>Concentration</b>  | 1.0 mg/mL                    |
| <b>Storage Buffer</b> | 20mM Carbonate buffer pH 9.6 |
| <b>Shipping</b>       | Dry Ice                      |

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