

## Recombinant Dengue Virus Subtype 2 Envelope protein

**Cat. No.** Envelope 2-587D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Dengue Virus Subtype 2 Envelope (aa 281-675) was expressed in Insect cells.                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | DENV                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 281-675 a.a.                                                                                                                                                                                                                                                                                                                                                              |
| <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>             | Dengue Envelope-2 protein solution in 1xD-PBS, pH7.4, 0.1% Thimerosal, 5mM EDTA, 1g/ml of Leupeptin, Aprotinin and Pepstatin A.                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 50kDa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>           | Protein is >95% pure as determined by 12.5% SDS-PAGE.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade 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.                                                                                                                    |

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