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**Dengue Virus NS1n Recombinant  
VIRAL ANTIGEN**

**Catalog Number:** PRP-003DEN  
**Quantity:** 100 micrograms, 500 micrograms, 1 milligram  
**Format:** 50mM Tris HCl pH-8.0, 60mM NaCl, 10mM Glutathione, 50% glycerol  
**Host:** *E. coli*

**Background:**

Dengue virus is caused by one of four closely related virus serotypes of the genus *Flavivirus*, family Flaviviridae. Each serotype is sufficiently different from the other such that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and in mice Morpholino antisense oligos have shown specific activity against dengue virus.

**Specificity and Preparation:**

The *E. coli*-derived recombinant protein contains the NS1 dengue virus type-2 N-terminal immunodominant regions. The dengue protein is fused to a GST tag. It is purified by proprietary chromatographic technique. The protein is >95% pure as determined by SDS-PAGE followed by coomassie staining.

**Usage and Storage:**

The end user must determine the optimum working titer for each particular application. Although stable at 4°C for 1 week, the material should be stored below -18°C. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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