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**Dengue Virus NS1 Recombinant
VIRAL ANTIGEN**

Catalog Number: PRP-004DEN
Quantity: 100 micrograms, 500 micrograms, 1 milligram
Format: 100mM Tris HCl pH-8, 8M Urea & 200mM NaCl
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 full length type-2 immunodominant regions. The dengue protein is fused to 6His tag. It is purified by proprietary chromatographic technique. The protein is >90% pure as determined by 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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