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**Dengue Virus NS1 ST1 Recombinant  
VIRAL ANTIGEN**

**Catalog Number:** PRP-415  
**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 derived protein contains the NS1 dengue virus full length type-1 immunodominant region. The protein is fused to a 6-His tag. It is purified by a proprietary chromatographic technique. The protein is >90% 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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