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# Certificate of Analysis and Data Sheet

## Recombinant Dengue Virus Envelope Protein-3

**Catalog No.**  
228-10312

**Source**  
*E. Coli*

### ***Introduction***

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.

### ***Description***

The E.coli derived recombinant 28 kDa protein is genetically engineered peptide which is derived from Dengue Type-3 Envelope. This region also contains a common antigen for Dengue type 1, 2 and 4. The sequence is from Dengue virus type 3 strain C0360/94, genebank access code is AY923865.

### ***Method***

Purified by proprietary chromatographic technique.

### ***Formulation***

50mM sodium chloride-phosphorous buffer, pH-7.

### ***Purity***

Protein is >95% pure as determined by 10% PAGE (coomassie staining).

### ***Storage***

Protein is shipped at ambient temperature.  
Upon arrival, Store at -20°C.

### ***Stability***

Five years frozen. One month in solution at room temperature.

### ***Amino acid sequence***

GSLATLRKLCIEGKITNITTTDSRCPTQGEAVLPPEEQDQNYVCKHTYVDRGWGNGCGLFG  
KGS�VTCAKFQCLEPIEGKVQYENLKYTVIITVHTGDQHQVGNETQGVTAEITPQAST  
TEAILPEYGTLLGLECSPTGLDFNEMILLTMKNKAWMVHRQWFFDLPLPWTSGATTETP  
TWNRKELLVTFKNAHAKKQE .

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