

## Dengue Envelope-2 15kDa

**Description:**The E.coli derived recombinant 15kDa protein is genetically engineered peptide which is derived from Dengue Type-2 envelope III domain immunodeterminant regions. The expressed dengue envelope Type-2 III domain covers domain III region and is fused with a 6 His Tag at C-terminus. This peptide is particularly important for diagnostic and vaccine development as it contains multiple serotypes, neutralizing epitopes and receptor binding domain.

Catalog #:DEPS-013

For research use only.

**Amino Acid Sequence:**SYSMCTGKFK IVKEIAETQH GTIVIRVQYE GDGSPCKIPF  
EIMDLEKRHV LGRLITVNPV VTEKDSPVNI EAEPFGDSY III GVEPGQ LKLDWFKKGS  
SIGQMFETTM RGAKRMA-His Tag.

**Purity:**Protein is >95% pure as determined by 12% PAGE (coomassie staining).

**Formulation:**

Phosphate buffered saline pH 7.4.

**Stability:**

Dengue Envelope-ST2 D-III although stable at 4°C for 1 week, should be stored below -18°C.

Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Applications:**

Each laboratory should determine an optimum working titer for use in its particular application.

**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.

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