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## Product Data Sheet

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Product Name: Dengue Envelope-2 14 kDa  
Cat. No.: GP26445  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSYSMCTG KFKVVKEIAE TQHGTIVIRV QYEGDGSPCK IPFEIMDLEK RHLVGLRLITV NPIVTEKDSP VNIEAEPFPG DSYIIIGVEP GQLKLNWFKK GSSIGQ.		
Formulation	The Dengue Envelope 2 protein solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

### Introduction

In cell culture experiments and mice Morpholino antisense oligos showed specific activity against Dengue virus. 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 happen.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

Recombinant Dengue Envelope 2 produced in E. coli is a single polypeptide chain containing 126 amino acids (aa 298-400) and having a molecular mass of 13.8kDa. Recombinant Dengue Envelope 2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques

**Caution: Product has not been fully validated for medical applications. For research use only.**  
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