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## Product Data Sheet

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Product Name: Dengue p18

Cat. No.: GP25550

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	Phosphate buffered saline, pH 7.4 and 0.02% sodium nitrate.		

### 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.

### 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 p18 antigen is a genetically engineered protein generated from dengue envelope protein, containing most dengue subtype epitopes. Specifically developed for dengue IgG/IgM lateral flow immunoassay. Recombinant Dengue p18 can detect dengue IgG and IgM from all four infected dengue virus subtypes. Having over 90% sensitivity and specificity to detect dengue IgM and IgG. This antigen gives a good performance to detect dengue IgM with strong signal intensity.

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

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