

## Product Data Sheet

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# [DENGUE] DENV3- NS1 (Serotype 3)

Product Reference: PEK#1011

## NS1 antigen His-Tag

Revision date: 08.06.2022  
Version: 1.0

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## Product Data Sheet

|                    |  |
|--------------------|--|
| Description        | Peptide NS1 Dengue serotype 3            |
| Synonym(s)         | Antigen Dengue, NS1 domain,              |
| HS Code:           |  |
| Pack Size          | 1000 ul (microliter)                     |
| MW                 | 16,3 kDa                                 |
| Form               | Liquid                                   |
| Shipped in         | Wet ice                                  |
| Storage temp.      | -20°C.                                   |
| Expression System  | Recombinant <i>Escherichia coli</i>      |
| Purity             | >85% (High-affinity Ni-NTA purification) |
| Impurities         | >5.0 EU/µg protein (LAL test)            |
| GenBank Accession: | AFN80339                                 |

## Expanded Data Sheet

|           |                               |
|-----------|-------------------------------|
| Construct | Peptide NS1 DENGUE serotype 3 |
|-----------|-------------------------------|

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## Expanded Data Sheet (continuation)

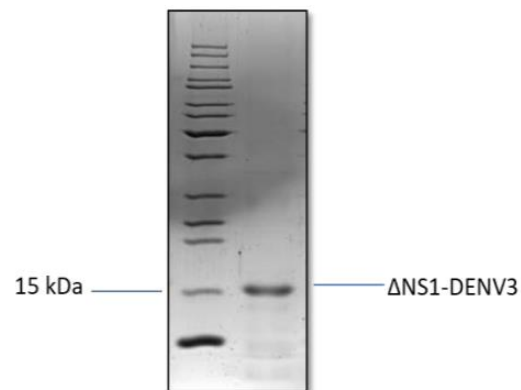
|                               |  |
|-------------------------------|--|
| Tag(s)                        | N-terminal His-tag,  |
| UniProt Number                | 4OIG   |
| Stability                     | At least 12 months at -20°C.   |
| Formulation                   | BTP- pH 8.5  |
| Isoelectric point theoretical | 7.8  |
| Concentration                 | 1 mg/ml (Bradford)   |
| References                    | DOI: <a href="https://doi.org/10.1016/j.ijid.2021.09.009">https://doi.org/10.1016/j.ijid.2021.09.009</a> |

## General description

Peptide NS1 DENGUE serotype 3 with His-Tag is produced by a recombinant Escherichia coli expression system.

The Genbank Accession Number is AFN80339. The protein construct also contains a N-terminal His-tag. Avoid repeated freeze-thaw cycles to retain maximum performance. After opening, prepare aliquots and store them at -20°C. The recombinant protein is ≥85% pure (High-affinity Ni-NTA purification).

## Quality Control Data



SDS-Page Coomassie Staining (20%)  
Western Blot

## Reconstitution

*Not applicable.*

## Storage and Stability

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This product is stable at -20°C for up to 12 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

## Disclaimer

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

Data presented is the available current product information and provided as-is. These products have not been tested or verified in any additional applications, sample types, including any clinical use. Experimental conditions must be empirically derived by the user.