

Recombinant Dengue Virus NS1 Protein, His-tagged

Cat. No. DEN-163 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Dengue Virus 1 NS1 proteins have been manufactured in response to the unmet need for highly purified, concentrated proteins for use in vaccine development (including use as an immunogen) and serological based diagnostic assays. Dengue Virus NS1 proteins are engineered in human cell lines using state-of-the-art expression techniques.

Tag His

Background

With more than one-third of the world's population living in areas at risk of transmission, dengue infection is a leading cause of illness and death in the tropics and subtropics (ref WHO for Guidelines for Diagnosis, Treatment, Prevention & Control, 2009) As many as 100 million people are infected yearly. Dengue is caused by any one of four related viruses transmitted by mosquitoes. There are no vaccines available to prevent infection with dengue virus.

NAC's Dengue Virus 1 NS1 proteins has been well received by a wide number of researchers. The proteins are endorsed by the Division of Infectious Disease & Vaccinology at the University of California, Berkeley. Professor Eva Harris states: "For several of our dengue research projects at the University of California, Berkeley, we had been searching for purified DENV NS1 protein from all four serotypes which could offer the advantage of being derived from a mammalian expression system. In our hands, NAC's DENV NS1 proteins have performed extremely well in a range of applications and have helped advance our research program

Dengue Virus NS1 protein serotypes 1-4 has been prepared in response to many customers requesting a combination pack for the purchase of all 4 Dengue Virus NS1

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serotypes. We now offer a convenient multi-pack in which 1 vial of each serotype NS1 protein is included with a 15% discount on the price compared to ordering the products individually. This Dengue Virus NS1 protein serotypes 1-4 pack is ideal for cross-reactivity screening and other such experiments. Each pack contains:

1 vial of DENV1-NS1 from strain Nauru/Western Pacific/1974

1 vial of DENV2-NS1 from strain Thailand/16681/84

1 vial of DENV3-NS1 from strain Sri Lanka D3/H/IMTSSA-SRI/2000/1266

1 vial of DENV4-NS1 from strain Dominica/814669/1981

We also have available a non-dengue Flavivirus pack available for specificity screening, please see product FLAVX4-NS1.

Purity	>95% pure by SDS-PAGE
Formulation	DPBS pH 7.4, 0.2 um filter sterilised
Stability	At +4 centigrade: 1 week. At -80 centigrade: 1 year.
Freezing	Can be frozen, but avoid multiple freeze/thaw cycles.
Storage	Short term: +2 to +8 centigrade. Long Term: -80 centigrade.
Concentration	0.631 mg/mL
Notes	This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.
Type	Recombinant

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ClassID 1 Infectious Disease

GENE INFORMATION

Synonyms DENV NS1 Serotypes 1-4

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