Recombinant Combinate Dengue Virus (Serotypes 1-4) NS1 Protein, C-His tagged

Cat. No. NS1-44D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Combination pack of all four serotypes of Dengue virus NS1 protein. Recombinant Dengue Virus serotype 1 (strain Nauru/Western Pacific/1974) NS1 protein produced in 293 human cells. Protein contains a C-teminal 6x His-tag. Recombinant Dengue Virus serotype 2 (strain Thailand/16681/84) NS1 protein produced in 293 human cells. Protein contains a C-teminal 6x His-tag. Recombinant Dengue Virus serotype 3 (strain Sri Lanka D3/H/IMTSSA-SRI/2000/1266) NS1 protein produced in 293 human cells. Protein contains a C-teminal 6x His-tag. Recombinant Dengue Virus serotype 4 (strain Dominica/814669/1981) NS1 protein produced in 293 human cells. Protein contains a C-teminal 6x His-tag. 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
Species	DENV1
Source	HEK293
Description	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. As many as 100 million people are infected yearly. Dengue is caused

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	by any one of four related viruses transmitted by mosquitoes. There are no vaccines available to prevent infection with dengue virus.
Form	DENV1-NS1: Liquid DENV2-NS1: Liquid DENV3-NS1: Liquid DENV4-NS1: Liquid
Purity	DENV1-NS1: > 95 % pure by SDS-PAGE DENV2-NS1: > 95 % pure by SDS-PAGE DENV3-NS1: > 95 % pure by SDS-PAGE DENV4-NS1: > 95 % pure by SDS-PAGE
Stability	At +4 centigrade: 1 month At -80 centigrade: 1 year Can be freeze/thawed, but avoid multiplefreeze/thaw cycles
Storage	Short term: +2 to +8 centigrade Long term: -80 centigrade
Concentration	DENV1-NS1: 0.631 mg/mL DENV2-NS1: 0.64 mg/mL DENV3-NS1: 0.535 mg/mL DENV4-NS1: 0.514 mg/mL
Storage Buffer	DENV1-NS1: DPBS pH 7.4, 0.2 μm filter sterilised DENV2-NS1: DPBS pH 7.4, 0.2 μm filter sterilised DENV3-NS1: DPBS pH 7.4, 0.2 μm filter sterilised DENV4-NS1: DPBS pH 7.4, 0.2 μm filter sterilised

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Shipping	All NS1 products are shipped at ambient temperature. Extensive stability tests have shown no negative effects on antigen performance for 7 days of shipping. Should customers desire shipment on dry ice, this can be performed for an extra fee, please get in contact with us by phone or email.

GENE INFORMATION

Official Symbol	NS1
Synonyms	NS1; Dengue virus NS1 serotypes 1-4

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