

Recombinant West Nile Virus NS1 Protein, His tagged

Cat. No. NS1-133W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant West Nile Virus NS1 protein produced in mammalian HEK293 human cells, incorporating a C-terminal 6x His-tag. West Nile Virus NS1 protein (Uniprot Q9Q6P4, strain NY99; aa792-114) produced from HEK293 cells.
Species	West Nile Virus, strain NY99
Source	HEK293
ProteinLength	792-1143 aa
Description	The West Nile Virus (WNV) NS1 protein is a native hexameric presentation. The hexamer is believed to be the biologically active form of NS1 involved in key aspects of West Nile Fever pathogenesis (Kaiser et al., 2017). The resultant WNV NS1 protein is purified to a high degree, is in its native folding state, and possesses all post-translational modifications. This advanced approach results in a product which delivers optimal antigenicity by virtue of its human origin. The West Nile Virus NS1 Protein has been manufactured in response to the unmet need for a highly purified, concentrated protein for use in further vaccine development and serological based diagnostic assays. The detection of the NS1 protein offers much higher fidelity across multiple flaviviruses where cross-reactivity can otherwise pose an issue.
Form	Liquid
Purity	Greater than 95% purity by SDS-PAGE.

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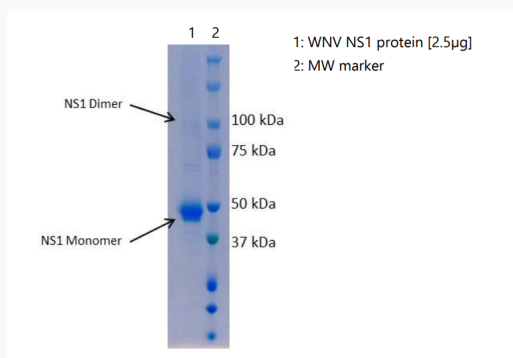
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Stability	Stable for 1 year at +4 centigrade; stable for 1 year at <-20 centigrade. Freezing: Can be frozen
Storage	Short Term Storage: +4 centigrade Long Term Storage: -80 centigrade
Storage Buffer	DPBS pH 7.4, 0.2 µm filter sterilised.
Reference	1. Kaiser et al. (2017). Virulence determinants of West Nile virus: how can these be used for vaccine design? Future Virol. 12(5):283-295.

GENE INFORMATION

Synonyms	NS1; Genome polyprotein; GP1; EC:3.4.21.91
UniProt ID	Q9Q6P4

SDS-PAGE



Coomassie-stained SDS-PAGE (Novex 4-12% Bis-Tris gel; Unstained BioRad marker) showing WNV NS1 protein in reducing and non-reducing conditions.

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