

Recombinant WNV NS1 Protein, His-tagged

Cat. No. WES-623 Lot. No. (See product label)

SPECIFICATION

Product Overview	West Nile Virus NS1 protein is produced entirely from human cell lines using state-of-the-art expression techniques, the same approach which NAC used to develop its well received DENV NS1 (4 serotypes) and YFV NS1 proteins.
Tag	His
Background	<p>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</p> <p>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.</p>
Purity	>95%
Sequence Strain	NY99
Formulation	DPBS pH 7.4, 0.2µm filter sterilised.
Stability	Stable for 1 year at +4 centigrade; stable for 1 year at <-20 centigrade

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Freezing	Can be frozen
Storage	Short Term Storage: +4 centigrade Long Term Storage: -80 centigrade Multiple freeze/thaw cycles are to be avoided.
Concentration	mg/mL (Specification: 0.4 – 1.0 mg/mL by BCA assay)
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
ClassID 1	Infectious Disease
GENE INFORMATION	
Synonyms	West Nile Virus NS1