

Recombinant West Nile Virus Envelope Protein, His-tagged

Cat. No. Envelope-775W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant West Nile Virus Envelope was expressed in E. coli with His-tag.
Species	West Nile Virus
Source	E.coli
Description	The E.Coli derived recombinant protein contains the West-Nile N-terminus Envelope Virus immunodominant regions. The protein is fused to 6xHis-tag. West Nile virus (WNV) is a virus of the family Flaviviridae part of the Japanese encephalitis (JE) antigenic complex of viruses. Image reconstructions and cryoelectron microscopy reveal a 45-50 nm virion covered with a relatively smooth protein surface. This structure is similar to virus; both belong to the genus flavivirus within the family Flaviviridae. WNV is a positive-sense, single strand of RNA, it is between 11,000 and 12,000 nucleotides long which encode seven non-structural proteins and three structural proteins. The RNA strand is held within a nucleocapsid formed from 12 kDa protein blocks; the capsid is contained within a host-derived membrane altered by two viral glycoproteins. The protein is purified by proprietary chromatographic technique.
Form	20 mM Phosphate buffer pH 7.5
Purity	> 95 % (SDS-PAGE)
Applications	ELISA; Western Blot

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 centigrade, avoid freeze/thaw cycles.
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GENE INFORMATION

Official Symbol	Envelope
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Synonyms	Envelope
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