

Native purified West Nile Virus Envelope (E) Protein, His-tagged

Cat. No. Envelope-776W **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Viral protein purified from 293 cell culture
Species	West Nile Virus
Source	HEK293
ProteinLength	590-696 aa
Description	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 (NS1, NS2a, NS3, NS4a, NS4b, and NS5) and three structural proteins (capsid (C), membrane (M or preM), and envelope (E)). 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.
Purity	≥ 95% purity (SDS PAGE)
Applications	Western blot standard, antibody ELISA, antigen, etc.
Storage	Store at -20 centigrade; Stable for 6 months from the date of shipment when kept at 4

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centigrade.

Concentration 1 µg/µl in PBS

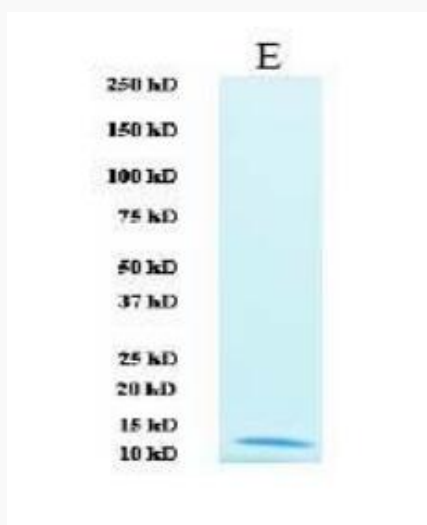
GENE INFORMATION

mRNA Refseq [AF202541](#)

Protein Refseq [AAF18443](#)

UniProt ID [Q9Q5I9](#)

SDS-PAGE



Envelope (West Nile Virus) protein

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