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Recombinant West Nile Virus Pre-M His

Catalog No.	CSI15907A	**Quantity:**	100 µg
	CSI15907B		0.5 mg
	CSI15907C		1.0 mg

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 cryo-electron 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 *E. coli* derived 20 kDa recombinant protein contains the West-Nile N-Terminal Pre-M Virus immunodominant regions. The protein is fused with 6x His tag.

Source: *E. coli*

Formulation: 20 mM Phosphate buffer pH 7.5.

Purity: Protein is >95% pure as determined by 10% PAGE (coomassie staining).

Purification Method: Purified by proprietary chromatographic technique.

Specific Activity: Immunoreactive with sera of West Nile virus infected individuals.

Amino Acid Sequence: MVTLSNFQGK VMMTVNATDV TDVITIPTAA GKNLCIVRAM DVGYLCEDTI TYECPVLAAG NDPEDIDCWC TKSSVYVRYG RCTKTRHSRR SRRSLTVQTH GESTLANKKG AWLDSTKATR YLVKTESWIL RNPGYALE.

Applications: Antigen in ELISA and Western blots, excellent antigen for detection of West-Nile virus with minimal specificity problems.

Storage & Stability: EBV-p23 protein although stable at 4°C for 1 week, should be stored below -18°C. **Please prevent freeze thaw cycles.**

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