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AR10699PU-N OriGene FI

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West Nile Virus Pre-M - Purified **Catalog No.:** AR10699PU-N **Quantity:** 0.5 mg **Background:** 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 microscopyreveal a 45-50 nm virion covered with a relatively smooth proteinsurface. This structure is similar to virus; both belong to the genus flavivirus within the family Flaviviridae. WNV is a positivesense, 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 kDaprotein blocks; the capsid is contained within a host-derived membrane altered by two viral glycoproteins. Source: E. coli Purity: >95.0% pure as determined by 10.0% PAGE (coomassie staining). Format: Purification Method: Purified by proprietary chromatographic technique. Buffer System: 20mM Phosphate buffer pH 7.5 **Applications:** Antigen in ELISA and Western blots, excellent antigen for detection of West-Nile virus with minimal specificity problems. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Description:** The E.coli derived 20 kDa recombinant protein contains the West-Nile N-Terminal Pre-M Virus immunodominant regions. The protein is fused with 6xHis tag. Specificity: Immunoreactive with sera of West Nile virus infected individuals. AA Sequence: MVTLSNFQGKVMMTVNATDVTDVITIPTAAGKNLCIVRA. MDVGYLCEDTITYECPVLAAGNDPEDIDCWCTKSSVYVR. YGRCTKTRHSRRSRRSLTVQTHGESTLANKKGAWLDSTK. ATRYLVKTESWILRNPGYALE Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com