

Product Data Sheet

Product Name: WNV Pre-M
 Cat. No.: GP25521
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Amino Acid Sequence MVTLNFGKVMNTVNDVTDVITPTAAGKNCIVRA

MDVGYLCEDTITYECPVLAAGNDPEDICWCTKSSVYVRYGRCTKTRHSRRSRRSLTVQTHGESTLANKKGAWLDSTKATRYLVKTESWILRNPYALE

Formulation 20mM phosphate buffer pH 7.5.

Introduction

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.

Stability

WNV Pre-M although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

The E.Coli derived 20kda recombinant protein contains the West-Nile N-Terminal Pre-M Virus immunodominant regions. The protein is fused with 6xHis tag.

Caution: Product has not been fully validated for medical applications. For research use only.

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