

## 32-5681: Recombinant West Nile Envelope Virus

### Description

Source : The E.Coli derived recombinant protein contains the West-Nile N-terminus Envelope Virus immunodominant regions. The protein is fused to a 6xHis tag. Mw~42kDa. 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.

### Product Info

<b>Amount :</b>	0.5 mg
<b>Purification :</b>	Protein is >95% pure as determined by SDS-PAGE.
<b>Content :</b>	(1mg/ml) 20mM Phosphate buffer pH 7.5.
<b>Storage condition :</b>	WNV Envelope although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
<b>Amino Acid :</b>	<p> MQLKGTTYGV CSKAFKFLGT PADTGHGTVV LELQYTGTG PCKVPISSVA SLNDLTPVGR  LVTVPFVSV ATANAKVLIE LEPPFGDSYI VVGRGEQQIN HHWHKSGSSI GKAFITTLKG  ALEMQLKGTT YGVCSKAFK LGTPADTGHG TVVLELQYTG TDGPCKVPIS SVASLNDLTP  VGRLVTVNPFV SVATANAKVL IELEPPFGDS YIVVGRGEQQI NHHWHKSGSS IGKAFITTLK  GALEMQLKGT TYGVCSKAFK FLGTPADTGH GTVVLELQYT GTDGPCKVPI SSVASLNDLT  PVGRLVTVNP FVSVATANAK VLIELEPPFG DSYIVVGRGE QQINHHWHKS GSSIGKAFIT  TLKGALEHHH HHH. </p>

