West Nile Virus Envelope\textsubscript{His}n
WNV Envelope recombinant, \textit{E. coli}

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<td>PR-1275</td>
<td>100 µg</td>
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\textbf{Applications:}
Antigen in ELISA and Western Blots, excellent antigen for detection of West-Nile virus with minimal specificity problems.

\textbf{Description:}
The \textit{E. Coli} derived recombinant protein contains the West-Nile N-terminus Envelope Virus immunodominant regions. The protein is fused to 6xHis-tag. Mw 42 kDa.
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 proteinsurface. 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 protein is purified by proprietary chromatographic technique.

\textbf{Selected References:}
