## Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Recombinant West Nile Virus (E protein)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Protein length</strong></td>
<td>Protein fragment</td>
</tr>
</tbody>
</table>

## Description

<table>
<thead>
<tr>
<th><strong>Nature</strong></th>
<th>Recombinant</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Source</strong></td>
<td>Escherichia coli</td>
</tr>
</tbody>
</table>

### Amino Acid Sequence

**Additional sequence information**
Tagged with six histidines.

## Specifications

Our **Abpromise guarantee** covers the use of **ab48960** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Biological activity**
Immunoreactive with sera from WNV-infected individuals.

**Applications**
- ELISA
- Western blot

**Purity**
> 95% SDS-PAGE.

**Form**
Liquid

## Preparation and Storage

**Stability and Storage**
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

- **pH:** 7.50
- **Constituent:** 0.0536% PBS
- **This product is an active protein and may elicit a biological response in vivo, handle with caution.**

## General Info

**Relevance**
West Nile Virus (WNV) is a single-stranded RNA (positive sense) virus of the family Flaviviridae,
genus Flavivirus, commonly found in Africa, West Asia and the Middle East. It causes disease that is characterized by flu-like symptoms. In a small number of cases this can develop into West Nile Encephalitis (infection of the brain and spinal cord). The viral envelope consists of envelope E and membrane M proteins. The roles of the E protein include virion assembly, recognition of cell receptors, cell endosomal membrane fusion, agglutination of red blood cells, and induction of immune responses.

**Cellular localization**

Cell Membrane

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Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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