



# Recombinant Zika Virus Envelope protein (a.a 257- 694) [His] (DAG-WT307)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	A DNA sequence encoding the Zika virus (strain Zika SPH2015) E / Envelope (ALU33341.1) (Ile291-Gly694) was expressed with a polyhistidine tag at the C-terminus.
<b>Purity</b>	> 90% , as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	Immunoassays
<b>Molecular Weight</b>	45.5 kDa
<b>Format</b>	Lyophilized Powder
<b>Size</b>	1 mg
<b>Buffer</b>	20mM Tris, 500mM NaCl, pH 8.0
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C to -80°C. Avoid multiple freeze/thaw cycles

## BACKGROUND

<b>Introduction</b>	Zika virus is an emerging disease that is spread by Aedes mosquitoes. The virus was first isolated in Central Africa, and has since been spread to South Asia and recently to South America. Zika virus can cause mild fever, rash, myalgia, arthralgia and headaches, with one in four infected individuals being asymptomatic. Due to similar symptoms Zika virus infected individuals can easily be mis-diagnosed as a dengue infection and vice-versa. In addition, Zika virus has been implicated in causing microcephaly through transmission in utero.
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**Keywords** Zika virus; ZIKV; Envelope protein

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## GENE INFORMATION

**UniProt ID** ALU33341.1

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