

Non-Structural (NS) Protein of RVF Virus

CATALOG NUMBER: RVF-NS-50EP, 50 µg

Introduction	<p>The Rift Valley fever (RVF) virus belongs to the Bunyavirales order. The virus' 11.5 kb tripartite genome is composed of single-stranded RNA. As a Phlebovirus, it has an ambisense genome. Its L and M segments are negative-sense, but its S segment is ambisense. These three genome segments code for six major proteins: L protein (viral polymerase), the two envelope glycoproteins G(N) and G(C), the nucleocapsid N protein, and the nonstructural NSs and NSm proteins.</p> <p>The Gn and Gc glycoproteins were earlier referred to as G1 and G2 based on apparent size on gel electrophoresis</p>
Applications	Western blot standard, antibody ELISA, antigen, etc.
Description	6x his-tagged recombinant protein expressed and purified from <i>E.coli</i>
Viral Protein	C-terminal 6xhis-tagged RVF virus non-structural protein (amino acid 1-265) (GenBank accession#: ABD38738)
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	50 µg in PBS.
Specificity	≥ 95% purity.



SDS-PAGE: purified RVF virus NS protein

Recombinant RVF Virus NS Protein (aa 1-265) SEQ:

```
MDYFPVISVDLQSGRRVVSVEYFRGDGPPRIPIYSMVGPCCVFLMHHRPSHEVRLRFSDFYNVGEFFPYRVGLGDFASNVAPPPAKPFQR
LIDLIGHMTLSDFTRFPNLKEAISWPLGEPFLAFFDLSSSTRVHRNDDIRRDQIATLAMRSCKITNDLEDSFAGLHRMIATEAILRGID
LCLLPGFDLMYEVAVHQCVRLQLQAAKEDISNAVVPNSALIVLMEESLMLRSSLPSMMGRNNWIPVIPPDPVEMESEESDDDDGFVEV
DHHHHHH
```