

Membrane Glycoprotein G2 of RVF Virus

CATALOG NUMBER: RVF-GP-020p, 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 293 cells
Viral Protein	C-terminal 6xhis-tagged RVF virus membrane glycoprotein G2 (amino acid 691-1139)(also called Phlebovirus G2) (GenBank accession#: AAA47449)
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 glycoprotein G2

Recombinant RVF Virus G2 Protein (aa 691-1139) SEQ:

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CSELIQASSRITTCSTEGVNTKCRLSGTALIRAGSVGAEACLMLKGVKEDQTKFLKLTVSSELSCREGQSYWTGFSFKCLSSRRCH
LVGECHVNRCLSWRDNETSAEFSFVGESTTMRENKCFEQCGGWGCGCFNVPNSCLFVHTYLQSVRKEALRVFNCIDWVHKLTLEITDF
DGSVSTIDLGASSRFTNWGSVLSLDAEGISGSNSFSFIESPGKGYAIVDEPFSEIIPRQGFLGEIRCNSSESVLSAHESCLRAPNLI
SYKPMIDQLECTTNLIDPFVVFERGS LPQTRNDKTF AASKGNRGVQAFSKGSVQADLTLMFDNFEVDFVGA AVSCDAAFLNLTGCYSC
NAGARVCLSITSTGTGSLSAHNKDGSLHIVLPSENGTKDQCQILHFTVPEVEEEEFMYSCDGDREPLLVKGTLLIAIDPFDDRREAGGES
TVVNPKSGSHHHHHH
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