

# Recombinant RAVN virus (RAVV) Glycoprotein minus the Mucin Domain (rGPΔmuc)

Catalog No: tcip3050



## Available Sizes

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**Size:** 100μg

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## Specifications

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**Application:**

ELISA, WB

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**Research Area:**

Virology

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**Concentration:**

Supplied in PBS, pH 7.4 (supplemented with arginine, glutamic acid, and glycerol) at a concentration of 1.247 mg/mL.

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**Storage Instruction:**

2-3 weeks at -20°C, long term It is recommended to dispense single-use aliquots and store aliquots at -80°C to avoid multiple freeze/thaw cycles

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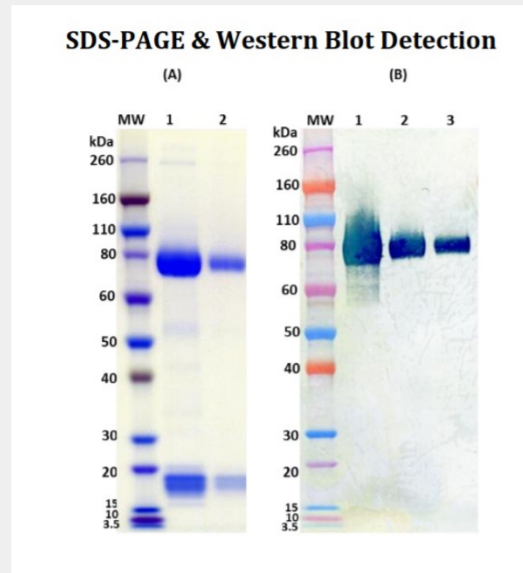
**Relevance:**

Recombinant glycoprotein provides a means for antibody development, control protein for testing, and a tool to enhance research.

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## Product Description

Recombinant, purified RAVV rGPΔmuc protein with Strep-Tag<sup>®</sup> is produced in stably-transfected Drosophila Schneider 2 (S2) cells and is purified by FPLC. Within the species Marburg marburgvirus contains two virus types, Marburg virus (MARV) and RAVV viruses. RAVV is a close relative of the much more commonly known MARV.



The theoretical molecular weight of the protein is ~68 kDa including the His-tag, without glycosylation. ; (A) SDS-PAGE and stain demonstrating 5 µg and 1 µg (lanes 1, 2 respectively) of EBOV rGPΔTM His-tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein marker. ; (B) Western blot detection of EBOV rGPΔTM at 500 ng, 100 ng and 50 ng (lanes 1-3, respectively) using rabbit anti-EBOV GP polyclonal antibody (catalog# tcia135) at 0.5 µg/mL and anti-rabbit IgG-HRP conjugate, followed by TMBmembrane substrate.

**ELISA Data**

EBOV rGPΔTM ng/well	OD 650 nm
800.000	3.838
400.000	3.836
200.000	3.893
100.000	3.847
50.000	3.812
25.000	3.734
12.500	3.602
6.250	3.274
3.125	2.855
1.563	2.140
0.781	1.359
0.391	0.821

Plate was coated with EBOV rGPΔTM starting at 800 ng/well, serially diluted in DPBS. Washed plate was detected using one dilution of a positive control serum, followed with anti-IgG HRP conjugate and TMB substrate. OD 650 is reported. Background of EBOV rGPΔTM coated plate positive control serum was 0.073 OD 650.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!