

# Recombinant BDBV GPDTM

Catalog No: tcip3008



## 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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**Form:**

Frozen Liquid

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**Concentration:**

Supplied in PBS (supplemented with 10% glycerol, arginine and glutamic acid) at a concentration of 1.59 mg/mL (Lot Dependent)

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**Purity / Grade:**

Column chromatography

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**Storage Instruction:**

2-3 weeks at -20°C, -80°C long term

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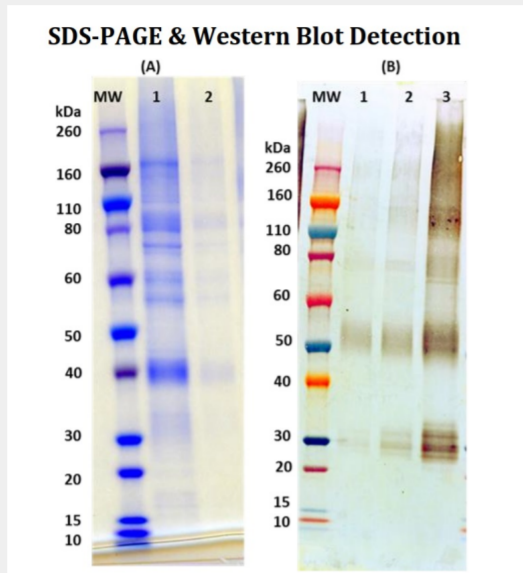
**Relevance:**

Recombinant BDBV glycoprotein provides a means as a control protein for immunoassays and a tool to enhance Filovirus research.

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## Product Description

Mature, recombinant, His-tagged Bundibugyo glycoprotein minus the transmembrane domain (BDBV rGPΔTM) is supplied as purified protein. BDBV rGPΔTM is produced in Sf9 insect cells using baculovirus for expression and is purified by column chromatography; The theoretical molecular weight of the protein is ~68 kDa including the His-tag, without glycosylation. Because of the highly glycosylated nature of this protein, migration in an SDS-PAGE gel is slowed resulting in broad, diffuse bands representing differing glycosylation forms.



The theoretical molecular weight of the protein is ~60 kDa including the His-tag, without glycosylation. Because of the highly glycosylated nature of this protein, migration in an SDS-PAGE gel is slowed resulting in broad, diffuse bands representing differing glycosylation forms. (A) SDS-PAGE and stain demonstrating 5  $\mu$ g and 1  $\mu$ g (lane 1, 2 respectively) of MARV-Angola rGPΔTM His-tag protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of MARV-Angola rGPΔTM at 50 ng, 100 ng and 500 ng (lanes 1-3). MARV-Angola rGPΔTM was detected using Taiclone's polyclonal antibody (catalog # tcia147) at 0.5  $\mu$ g/mL and anti-rabbit IgG-HRP conjugate, followed by substrate.

#### ELISA Data

MARV-Angola rGPΔTM ng/well	OD 650 nm
800.000	3.555
400.000	3.577
200.000	3.442
100.000	3.336
50.000	3.050
25.000	2.694
12.500	2.004
6.250	1.334
3.125	0.790
1.563	0.463
0.781	0.271
0.391	0.185

Plate was coated with MARV-Angola rGPΔTM starting at 800 ng/well, serially diluted in DPBS. Washed plate was detected using one dilution of a positive control serum, followed with antiIgGHRP conjugate and TMB substrate. OD650 is reported. Background of MARV-Angola rGPΔTM coated plate without positive control serum was 0.053 OD 650 .

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