

# Recombinant SUDV VP40

Catalog No: tcip3030



## 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 HEPES buffer pH 7.5 containing sodium chloride, 5% glycerol and 0.1% Triton-X, at a concentration of 0.833 mg/mL

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**Purity / Grade:**

Column chromatography

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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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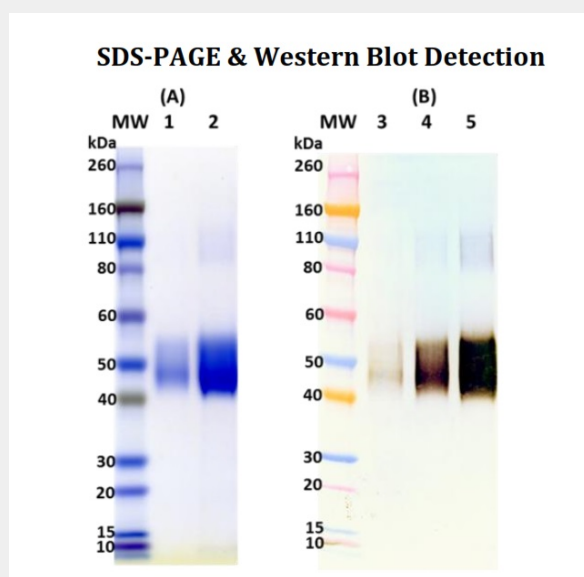
**Relevance:**

Recombinant SUDV VP40 matrix protein provides a means as a control protein for immunoassays and a tool to enhance Filovirus research.

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## Product Description

Recombinant, tag-free, purified Sudan virus (SUDV) matrix protein (VP40) is expressed in E. coli and the recombinant protein purified using FPLC. ;The theoretical molecular weight of the protein is ~35 kDa



(A) SDS-PAGE and stain demonstrating 1 ug, 5 ug (lane 1 and 2, respectively) of SUDV sGP protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers. (B) Western blot detection of SUDV sGP at 50 ng, 200 ng, and 500 ng (lanes 3-5, respectively). SUDV sGP was detected using Taiclone's Rabbit anti-SUDV sGP (cat tcia145) polyclonal antibody at 0.1ug/mL and anti-Rabbit IgG (H+L)-HRP conjugate, followed by TMB substrate.

**ELISA Data**

SUDV sGP (ng/well)	OD 650 nm
800.000	3.489
400.000	3.364
200.000	3.029
100.000	1.754
50.000	0.753
25.000	0.462
12.500	0.271
6.250	0.189
3.125	0.096
1.563	0.074
0.781	0.077
0.391	0.064
0.000	0.061

Plate was coated with SUDV sGP starting at 800 ng/well, SUDV sGP (ng/well) serially diluted 2-fold in DPBS. Washed plate was detected using 1 µg/mL of Rabbit anti-SUDV sGP followed with anti-Rabbit IgG (H+L)-HRP conjugate and TMB substrate. OD 650 is reported.

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