

# Recombinant SUDV Soluble GP (sGP)

Catalog No: tcip3031



## 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 glycerol, arginine and glutamic acid) at a concentration of 0.686 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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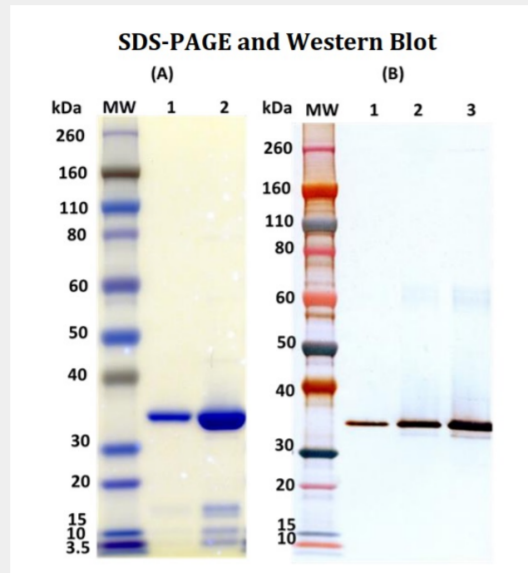
**Relevance:**

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

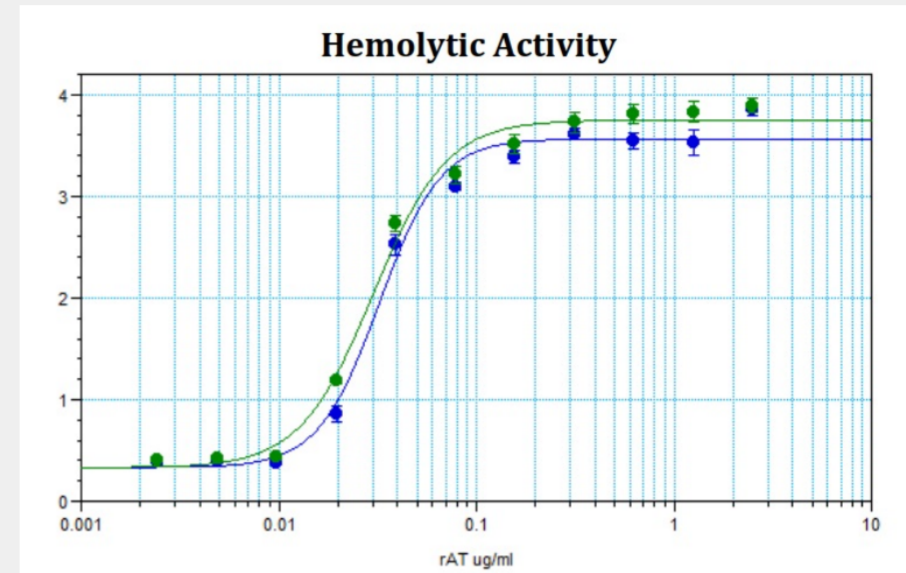
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## Product Description

Mature, recombinant Sudan Virus Soluble Glycoprotein (SUDV sGP) containing a c-terminal HIS tag, is supplied as purified protein. SUDV sGP is produced in mammalian cells and is purified by FPLC.;The theoretical molecular weight of the protein is ~47 kDa. Because of the glycosylated nature of this protein, migration in an SDS-PAGE gel is slowed resulting in a broad, diffuse band representing differing glycosylation forms.



(A) SDS-PAGE of Hla: 1 µg (lane 1) and 5 µg (lane 2). ; (B) Western blot detection of Hla at 5 ng, 10 ng and 50 ng (lanes 1-3), using Taiclone's mouse anti-Alpha Toxin (6C12) monoclonal antibody (cat# tcia123) at 1.0 µg/mL and an anti-mouse IgG-HRP conjugate followed by TMB membrane substrate.



Lysis of rabbit red blood cells by *S. aureus* Hla. Red blood cell lysis was determined by absorbance at OD 416 nm after 30 min incubation at 37°C with Hla. EC 50 values were found to be 0.0322 µg/mL for lot 1805007 (blue circles) and 0.0301 µg/mL for previous lot 1601002 (green circles).

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