

# Recombinant *S. aureus* Gamma Hemolysin A (Hlg A) (tag free)

Catalog No: tcip3036



## Available Sizes

**Size:** 100µg



## Specifications

### Application:

ELISA, WB, Cytotoxicity

### Research Area:

Virology

### Form:

Frozen Liquid

### Concentration:

Supplied in PBS at a concentration of 2.065 mg/mL; Protein demonstrates a molecular weight of approximately 35 kDa. ; Endotoxin: 3.332 Endotoxin Units/mg

### Recommended Dilution:

ELISA: Assay-dependent dilution.; WB: Assay-dependent dilution; internal QC demonstrates detection of 50 ng of rHlg A protein using anti-PVL Luk polyclonal antibody (cat# 04-0009) in Western blotting. ; Cytotoxicity assay: Cytotoxicity can be detected in human neutrophils when used in combination with rHlg B in a concentration range of 4-200 nM.

### Purity / Grade:

Column chromatography (FPLC)

### 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

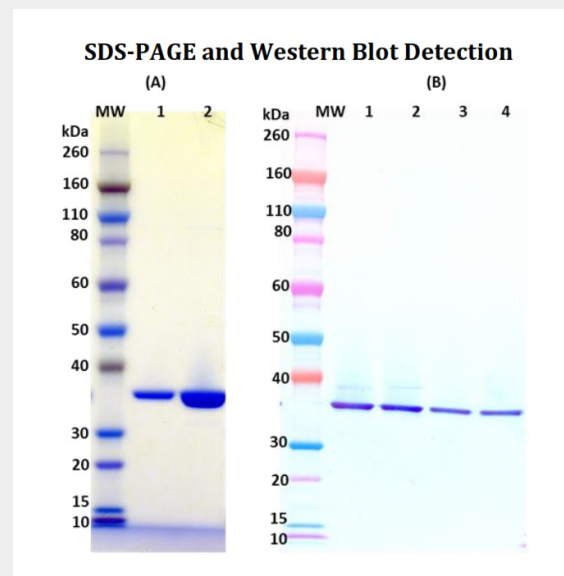
### Relevance:

This protein may be used in functional toxicity assays in combination with rHlg B, or as a control protein in ELISA assays or Western blotting when detecting toxins produced by different strains of *S. aureus*.

## Product Description

Purified, *Staphylococcus aureus* recombinant Gamma Hemolysin A (Hlg A). The rHlg A (tag free) is expressed in *E. coli* and purified by FPLC. ;

The theoretical molecular weight of the protein is 34,956 Daltons.



(A) SDS-PAGE and stain demonstrating 1 µg and 5 µg (lanes 1 and 2, respectively) of Hlg B protein under denaturing and reducing conditions. MW denotes Novex Sharp prestained protein markers.; (B) Western blot detection of Hlg B at 200 ng, 100 ng, 50 ng, 25 ng (lanes 1-4). Hlg B was detected using Taiclone's polyclonal antibody (cat# tcia159) at 50 ng/mL and anti-rabbit IgG-horseradish peroxidase (HRP) conjugate, followed by TMB substrate.

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