

Active Recombinant *S. aureus* TSST-1 Protein

Cat. No. TSST1-001S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Staphylococcus aureus</i> TSST-1 protein was expressed in <i>E.coli</i> .
Species	<i>S.aureus</i>
Source	<i>E.coli</i>
Description	TSST-1 is a pyrogenic toxin superantigen secreted by <i>Staphylococcus aureus</i> . TSST-1 is a powerful activator of T-lymphocytes resulting in substantial cytokine release that can cause severe pathological consequences.
Bio-activity	PBMC Stimulation assay: Stimulation of PBMCs to produce Interferon gamma by TSST-1 can be achieved with 0.1 ng/mL.
Molecular Mass	The theoretical molecular weight of the TSST-1 is 22,204 Daltons.
Purity	>90% using chromatographic methods
Applications	rTSST-1 can be utilized as a control in ELISA and Western blot assays, as a potent mitogen, or as an activator of cytokines in Peripheral Blood Mononuclear Cells (PBMC).
Notes	Intended for research use only. Not for human, therapeutic, diagnostic, or other applications.
Storage	2-3 weeks at -20 centigrade, -80 centigrade long term.

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Concentration	1.3 mg/mL
Storage Buffer	PBS with 10% Glycerol