Recombinant Shistosoma Mansoni TGR Protein

Cat. No. TGR-22S **Lot. No.** (See product label)

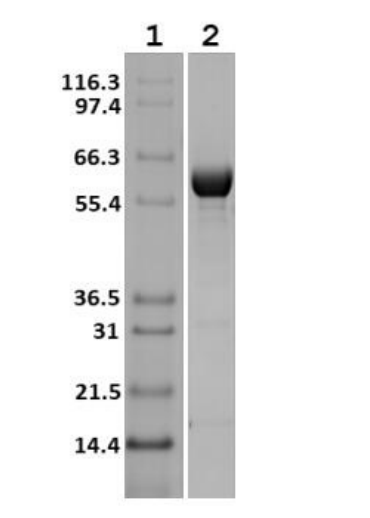
SPECIFICATION

Product Overview	Recombinant Shistosoma Mansoni Thioredoxin Glutathione Reductase (Non-tagged, 598 residues)
Species	Shistosoma Mansoni
Description	Thioredoxin glutathione reductase from Schistosoma mansoni (SmTGR) catalyzes the reduction of both thioredoxin and glutathione disulfides (GSSG), thus playing a crucial role in maintaining redox homeostasis in the parasite.
Purity	≥ 95% as judged by gel analysis
Unit Definition	1 U of enzyme reduces 1 μmol DTNB per min in 0.5 mL standard DTNB assay containing 2.5 mM DTNB and 0.3 mM NADPH in TE buffer (50 mM Tris-HCl, 2 mM EDTA, pH 7.5)
Applications	DTNB assay; Insulin-coupled Thioredoxin assay; Inhibitor screening; etc.
Notes	Centrifuge the tube briefly before opening the lid
Storage	Store at -20 centigrade upon delivery.
Concentration	1 mg/mL
Storage Buffer	TE buffer with 50% glycerol.

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Shipping	Shipped in cold pack by courier service.

GENE INFORMATION

Official Symbol	TGR
Synonyms	Thioredoxin glutathione reductase; TGR
Coomassie stained SDS PAGE analysis of 10 µg SMTGR product	 Lane 1: Molecular weight marker Lane 2: SMTGR

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