Recombinant Shistosoma Mansoni TGR Protein, 598 residues

Cat. No. TGR-16M **Lot. No.** (See product label)

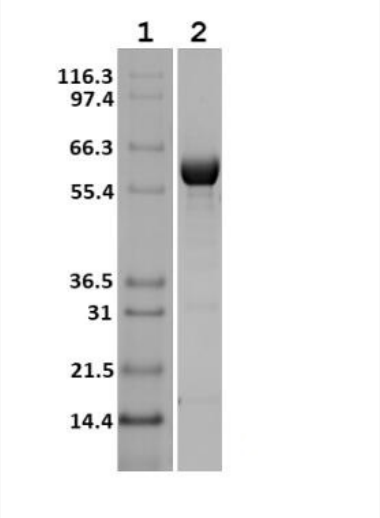
SPECIFICATION

Product Overview	Recombinant Shistosoma Mansoni Thioredoxin Glutathione Reductase (Non-tagged, 598 residues)
Species	Shistosoma Mansoni
ProteinLength	598 residues
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.
Concentration	1 mg/mL
Storage Buffer	TE buffer with 50% glycerol
Shipping	Shipped in cold pack by courier service. Store at -20 centigrade upon delivery.
References	1. Cheng Q, Arnér ES. (2017) Selenocysteine Insertion at a Predefined UAG Codon in a Release Factor 1 (RF1)-depleted Escherichia coli Host Strain Bypasses Species

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Barriers in Recombinant Selenoprotein Translation. J Biol Chem. 292:5476-5487.
2. Arnér ES, Holmgren A. (2001) Measurement of thioredoxin and thioredoxin reductase. Curr Protoc Toxicol. Chapter 7:Unit 7.4.

GENE INFORMATION

Official Symbol	TGR
Synonyms	SmTGR; TGR; Shistosoma Mansoni Thioredoxin Glutathione Reductas; Thioredoxin Glutathione Reductas
Coomassie stained SDS PAGE analysis of 10 µg SMTGR.	 Lane 1: Molecular weight marker (Mark12 Unstained Standard) Lane 2: SMTGR

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