

Recombinant *Shistosoma Mansoni* TGR Protein, 598 residues

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

SPECIFICATION

Product Overview	Recombinant <i>Shistosoma Mansoni</i> Thioredoxin Glutathione Reductase (Non-tagged, 598 residues)
Species	<i>Shistosoma Mansoni</i>
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 <i>Escherichia coli</i> Host Strain Bypasses Species

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

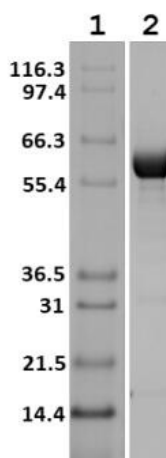
Official Symbol

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

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA