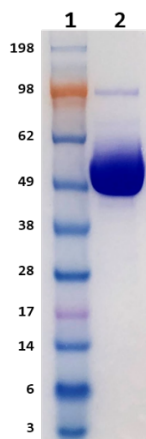


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## Product Specification

<b>Product No.</b>	HTRXR2-200
<b>Lot No.</b>	HTRXR2200701
<b>Product Description:</b>	Recombinant Human Thioredoxin Reductase 2 (Non-tagged; No signal peptide; 488 residues)  1 mg/mL, 200 $\mu$ L, 15 U per mg enzyme, in TE buffer with 50% glycerol
<b>Specifications:</b>	1 U of enzyme reduces 1 $\mu$ mol 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)
<b>References:</b>	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 Barriers in Recombinant Selenoprotein Translation. J Biol Chem. 292:5476-5487.  Arnér ES, Holmgren A. (2001) Measurement of thioredoxin and thioredoxin reductase. Curr Protoc Toxicol. Chapter 7:Unit 7.4.
<b>Storage:</b>	Shipped in cold pack by courier service. Store at $-20^{\circ}$ C upon delivery.
<b>Examples of Use:</b>	DTNB assay; Insulin-coupled Thioredoxin assay; Inhibitor screening; etc.
<b>NOTE!</b>	Centrifuge the tube briefly before opening the lid
<b>Purity and Gel Analysis:</b>	Purity is $\geq 95\%$ as judged by gel analysis



*Coomassie stained SDS PAGE analysis of 10  $\mu$ g HTRXR2-200 product*

*Lane 1: Molecular weight marker (SeeBlue™ Plus2)  
Lane 2: HTRXR2-200*