

Selenozyme AB

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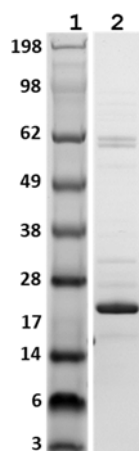
Nanna Svartz väg 2

A Working Lab - Campus Solna

www.selenozyme.com

Product Specification

Product No.	HGPX2-50 (-100, -200, -500)
Lot No.	HGPX2200701
Product Description:	Recombinant Human Glutathione Peroxidase 2 (Non-tagged; 190 residues) 1 mg/mL, 50 (100, 200, 500) μ L, 5 U per mg enzyme, in 25 mM Tris-HCl (pH 8.0) with 250 mM KCl, 2 mM 2-Mercaptoethanol and 10% glycerol
Specifications:	1 U of enzyme consumes 1 μ mol GSH per min in a Glutathione Reductase-coupled GPx assay containing 1 mM GSH, 0.5 mM Cumene Hydroperoxide, 15 nM Human Glutathione Reductase and 0.3 mM NADPH in TE buffer (50 mM Tris-HCl, 2 mM EDTA, pH 7.5)
References:	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.
Storage:	Shipped in cold pack by courier service. Store at -20° C upon delivery.
Examples of Use:	Glutathione Reductase-coupled GPx assay; Inhibitor screening; etc.
NOTE!	Centrifuge the tube briefly before opening the lid
Purity and Gel Analysis:	Purity is \geq 95% as judged by gel analysis



Coomassie stained SDS PAGE analysis of 30 μ g HGPX2-50 product

Lane 1: Molecular weight marker (SeeBlue™ Plus2)

Lane 2: HGPX2-50