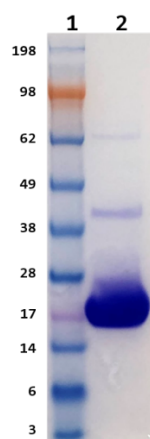


Product Specification

Product No.	HGPX4HS-2.5 (-5, -10, -25)
Lot No.	HGPX4HS200701
Product Description:	Recombinant Human Glutathione Peroxidase 4 with high specific activity (Non-tagged; 170 residues) 2.5 (5, 10, 25) Units, ca 50 (100, 200, 500) µg protein stored in 25 mM Tris-HCl (pH 8.0) with 250 mM KCl, 2 mM 2-Mercaptoethanol and 10% glycerol. Concentration 0.1 mg/mL.
Specifications:	1 U of enzyme consumes 1 µmol 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 ≥ 95% as judged by gel analysis



Coomassie stained SDS PAGE analysis of 30 µg HGPX4 product

Lane 1: Molecular weight marker (SeeBlue™ Plus2)

Lane 2: HGPX4

Note: HGPX4HS (not shown) was further purified from HGPX4