



# Recombinant Human GPX1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07034

**Protein Name:** Gshpx-Selenoprotein Gpx1 (GPX1)

**Aliases:** GPXD; GSHPX1; GSHPx-selenoprotein GPX1

**UniProt ID:** P07203

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P07203/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-203aa(U49S))

**Molecular Weight:** 26.1kDa

**Protein Tag:** N-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-203aa(U49S))

MCAARLAAAAAAAAQSVYAFSARPLAGGEPVSLGSLRGKVLLIENVASLSGTTVRDY  
TQMNELQRRLGPRGLVVLGFPCNQFGHQENAKNEEILNSLKYVRPGGGFEPNFML  
FEKCEVNGAGAHPLFAFLREALPAPSDDATALMTDPKLITWSPVCRNDVAWNFEKF  
LVGPDGVPLRRYSRRFQTIDIEPDIEALLSQGPSCA

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.



## **5. Product Description**

This product is a recombinant Human GPX1 full length protein (1-203aa(U49S)) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. GPX1, also known as GPXD or GSHPX1 or GSHPx-selenoprotein GPX1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.