



Recombinant strain ATCC 204508 / S288c GPX2 Protein Product Manual

1. Product Basic Information

Product No.: REP07035

Protein Name: Selenoprotein Gpx2 (GPX2)

Aliases: GPRP; GPx-GI-GPx; GPRP-GPx-GI; GSHPx-GSHPX-GI; selenoprotein GPX2

UniProt ID: P18283

UniProt Link: <https://www.uniprot.org/uniprotkb/P18283/entry>

Species Source: *Saccharomyces cerevisiae* (strain ATCC 204508 / S288c) (Baker's yeast)

Expression System: E.coli

Protein Length: Full Length (1-162aa)

Molecular Weight: 22.5 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-162aa)

MTTSFYDLECKDKKGESFKFDQLKGKVV LIVNVASKCGFTPQYKELEELYKKYQDK
GFVILGFPCNQFGKQEPGSDEQITEFCQLNYGVTFPIMKKIDVNGSNADSVYNYLKS
QKAGLLGFGIKWNFEKFLVDSNGKVVQRFSSLT KPSSLDQEIQSLLSK

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



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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 strain ATCC 204508 / S288c GPX2 full length protein (1-162aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. GPX2, also known as GPRP or GPx-GI-GPx or GPRP-GPx-GI, 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.