

# Recombinant human Glutathione peroxidase 7/GPX7 protein

Catalog Number: ATGP1391

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

20-187aa

### UniProt No.

Q96SL4

### NCBI Accession No.

NP\_056511

### Alternative Names

Glutathione peroxidase 7, CL683, GPx-7, GPX6, GSHPx-7, NPGPx

## PRODUCT SPECIFICATION

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### Molecular Weight

21.8 kDa (193aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

GPX7, also known as glutathione peroxidase 7, belongs to the glutathione peroxidase family. Recombinant human GPX7 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

### Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH MGSHM>QQEQD FYDFKAVNIR GKLVSLEKYR GSVSLVNVVA SECGFDDQHY  
RALQLQRLDL GPHHFNVLAF PCNQFGQQEP DSNKEIESFA RRTYSVSFPM FSKIAVTGTG AHPAFKYLAQ TSGKEPTWNF

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WKYLVAPDGK VVGAWDPTVS VEEVRPQITA LVRKLILLKR EDL

## General References

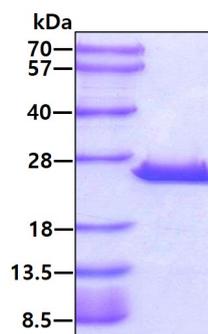
Gregory S.G., et al. (2006) Nature. 441:315-321

Clark H.F., et al. (2003) Genome Res. 13:2265-2270

## DATA

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### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.