

## Product datasheet for **TP307428L**

### Glutathione Peroxidase 7 (GPX7) (NM\_015696) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human glutathione peroxidase 7 (GPX7), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC207428 protein sequence  
Red=Cloning site Green=Tags(s)

MVAATVAAAWLLLWAAACAQQEQDFYDFKAVNIRGKLVLSLEKYRGSVSLVNVASECGFTDQHYRALQQL  
QRDLGPHHFNVLAFPCNQFGQQEPDSNKEIESFARRTYSVSFPMFSKIAVTGTGAHPAFKYLAQTSGKEP  
TWNFWKYL VAPDGKVVGAWDPTVSVEEVRPQITALVRKLILLKREDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 20.8 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_056511](#)

**Locus ID:** 2882

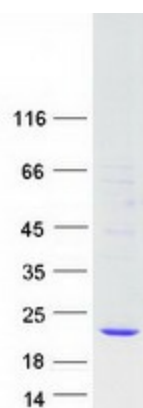
**UniProt ID:** [Q96SL4](#)

**RefSeq Size:** 1246



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Cytogenetics:	1p32.3
RefSeq ORF:	561
Synonyms:	CL683; GPx-7; GPX6; GSHPx-7; NPGPx
Summary:	It protects esophageal epithelia from hydrogen peroxide-induced oxidative stress. It suppresses acidic bile acid-induced reactive oxygen species (ROS) and protects against oxidative DNA damage and double-strand breaks.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Arachidonic acid metabolism, Glutathione metabolism

**Product images:**

Coomassie blue staining of purified GPX7 protein (Cat# [TP307428]). The protein was produced from HEK293T cells transfected with GPX7 cDNA clone (Cat# [RC207428]) using MegaTran 2.0 (Cat# [TT210002]).