

Product datasheet for **TP307428M**

Glutathione Peroxidase 7 (GPX7) (NM_015696) Human Recombinant Protein

Product data:

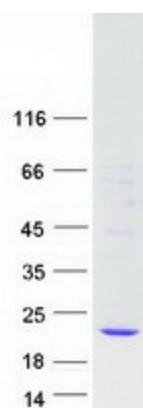
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human glutathione peroxidase 7 (GPX7), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207428 protein sequence Red =Cloning site Green =Tags(s)
	MVAATVAAAWLLLWAAACAQQEQDFYDFKAVNIRGKLVLSLEKYRGSVSLVNVASECGFTDQHYRALQQL QRDLGPHHFNVLAFCNQFGQQEPDSNKEIESFARRTYSVSFPMFSKIAVTGTGAHPAFKYLAQTSGKEP 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:	<u>NP_056511</u>
Locus ID:	2882
UniProt ID:	<u>Q96SL4</u>
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]).