Recombinant Human Glutathione Peroxidase 7, His-tagged

Cat. No. GPX7-1391H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanGPX7 protein, fused to His-tag at N-terminus, was expressed in E. coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	20-187 aa
Description	GPX7,also known as glutathione peroxidase 7, belongs to the glutathione peroxidasefamily. GPX7 is an enzyme that in humans is encoded by the GPX7 gene.
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Weight	21.8 kDa(193aa) confirmed by MALDI-TOF.
Purity	> 95%by SDS - PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMQQEQD FYDFKAVNIR GKLVSLEKYR GSVSLVVNVASECGFTDQHY RALQQLQRDL GPHHFNVLAF PCNQFGQQEP DSNKEIESFA RRTYSVSFPM FSKIAVTGTGAHPAFKYLAQ TSGKEPTWNF WKYLVAPDGK VVGAWDPTVS VEEVRPQITA LVRKLILLKR EDL

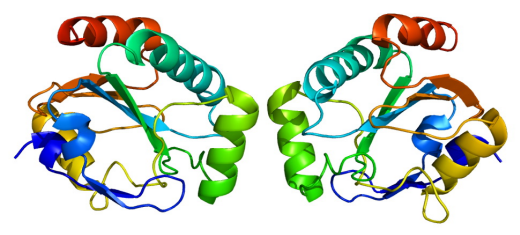
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Storage	Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	GPX7 glutathione peroxidase 7 [Homosapiens]
Official Symbol	GPX7
Synonyms	GPX7; glutathione peroxidase 7; GPX6;CL683; GPx-7; NPGPx; GSHPx-7; FLJ14777; OTTHUMP00000010021; glutathioneperoxidase 6; non-selenocysteine containing phospholipid hydroperoxideglutathione peroxidase; EC 1.11.1.9; EC 1.11.1
Gene ID	2882
mRNA Refseq	NM_015696
Protein Refseq	NP_056511
UniProt ID	Q96SL4
Chromosome Location	1p32
Pathway	Arachidonic acid metabolism; Glutathionemetabolismglutathione redox reactions I
Function	glutathione peroxidase activity;oxidoreductase activity

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PDB rendering based on 2p31.	

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