

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 MGSQMQQEQD FYDFKAVNIR GKLVSLEKYR GSVSLVNVVASECGFTDQHY RALQQLQRDL GPHHFNVLAF PCNQFGQQEP DSNKEIESFA RRTYSVSFPM FSKIAVTGTGAHPAFKYLAQ TSGKEPTWNF WKYLVAPDGK VVGAWDPTVS VEEVRPQITA LVRKLILLKR EDL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

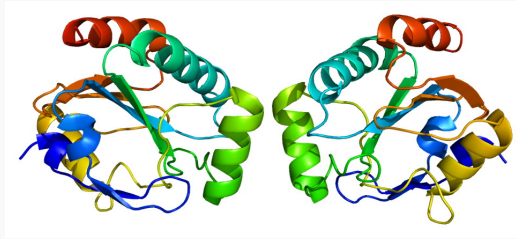
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



PDB rendering based
on 2p31.



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA