

Recombinant Human GPX7, GST-tagged

Cat. No. GPX7-13511H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPX7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	58-187a.a.
Description	This gene was originally isolated by subtractive hybridization of cDNAs expressed in atherosclerotic plaques with a thrombus, and was found to be expressed only in vascular smooth muscle cells. However, a shorter splice variant was found to be more ubiquitously expressed. This protein is suggested to play a role in the development of atherosclerosis. Studies in mice suggest that it may also function as a GC-rich promoter-specific trans-activating transcription factor. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	GPX7 glutathione peroxidase 7 [Homo sapiens]
Official Symbol	GPX7
Synonyms	GPX7; glutathione peroxidase 7; FLJ14777; GPX6; NPGPx; glutathione peroxidase 6; non-selenocysteine containing phospholipid hydroperoxide glutathione peroxidase; CL683; GPx-7; GSHPx-7;
Gene ID	2882
mRNA Refseq	NM_015696
Protein Refseq	NP_056511
UniProt ID	Q96SL4
Chromosome Location	1p32
Pathway	Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid metabolism, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; glutathione redox reactions I, organism-specific biosystem;
Function	glutathione peroxidase activity; oxidoreductase activity;