

Recombinant Full Length Human GPX5 Protein, GST-tagged

Cat. No. GPX5-5583HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GPX5 full-length ORF (NP_003987.2, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	100 amino acids
Description	This gene belongs to the glutathione peroxidase family. It is specifically expressed in the epididymis in the mammalian male reproductive tract, and is androgen-regulated. Unlike mRNAs for other characterized glutathione peroxidases, this mRNA does not contain a selenocysteine (UGA) codon. Thus, the encoded protein is selenium-independent, and has been proposed to play a role in protecting the membranes of spermatozoa from the damaging effects of lipid peroxidation and/or preventing premature acrosome reaction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Molecular Mass	37.8 kDa
AA Sequence	MTTQLRVVHLLPLLLACFVQTSPKQEKMKMDCHKDEKGTIYDYEAIALNKNEYVSFK QYVGKHILFVNVATYCGLTAQYPGMSVQGEDLYLVSSFLRKGM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	GPX5 glutathione peroxidase 5 (epididymal androgen-related protein) [Homo sapiens]
Official Symbol	GPX5
Synonyms	GPX5; glutathione peroxidase 5 (epididymal androgen-related protein); epididymal secretory glutathione peroxidase; EGLP; GPx-5; GSHPx-5; epididymal androgen-related protein; epididymis-specific glutathione peroxidase-like protein;
Gene ID	2880
mRNA Refseq	NM_001509
Protein Refseq	NP_001500
MIM	603435
UniProt ID	O75715

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