Recombinant Human GPX5 Protein, GST-tagged

Cat. No. GPX5-5312H **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	Wheat Germ
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) Antibody Production Protein Array

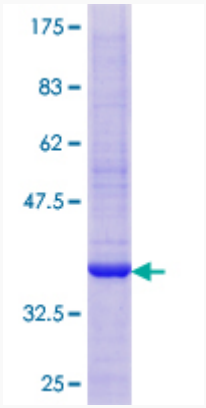
Tel: 1-631-559-9269 1-516-512-3133
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45-1 Ramsey Road, Shirley, NY 11967, USA

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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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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