

# Recombinant Full Length Human GPX5 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human GPX5 full-length ORF ( NP_003987.2, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	100 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	37.8 kDa
<b>AA Sequence</b>	MTTQLRVVHLLPLLLACFVQTSPKQEKMMDCHKDEKGTIYDYEIALNKNEYVSFK QYVGKHILFVNVATYCGLTAQYPGMSVQGEDLYLVSSFLRKGM
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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

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