Recombinant Pig GPX5 Protein (22-219 aa), His-Myc-tagged

Cat. No. GPX5-2156P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig GPX5 Protein (22-219 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Mature Protein.
Species	Pig
Source	E.coli
ProteinLength	22-219 aa
Description	May constitute a glutathione peroxidase-like protective system against peroxide damage in sperm membrane lipids. Since the purified porcine enzyme has very little activity towards hydrogen peroxide or organic hydroperoxides the protective effect is not likely to be exerted by its enzymatic activity. Instead, may protect sperm from premature acrosome reaction in the epididymis by binding to lipid peroxides, which might otherwise interact with phospholipase A2 and induce the acrosome reaction.
Form	Tris-based buffer,50% glycerol
Molecular Mass	27.6 kDa
AA Sequence	NSNLEKMDCYKDVTGTIYDYDAFTLNGNEHIQFKQYAGKHVLFVNVATYCGLTAQYP ELNTLQEELKPFGLVVLGFPCNQFGKQEPGENSEILLGLKYVRPGGGYVPNFQLFEK GDVNGEKEQKVFTFLKHSCPHPSELIGSIGYISWEPIRVHDIRWNFEKFLVGPDGVP

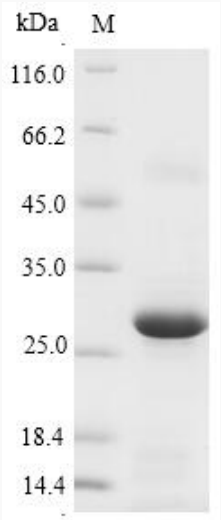
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	VMRWVHETPISTVKSDILAYLKQFKTE
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	GPX5 glutathione peroxidase 5 (epididymal androgen-related protein) [Sus scrofa]
Official Symbol	GPX5
Synonyms	GPX5; EGLP; GPx-5; GSHPx-5;
Gene ID	396920
mRNA Refseq	NM_213886
Protein Refseq	NP_999051
UniProt ID	O18994

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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