Recombinant Human GPX5 Protein (1-100 aa), His-Trx-tagged

Cat. No. GPX5-2142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GPX5 Protein (1-100 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-Trx tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length of Isoform 2.
Species	Human
Source	E.coli
ProteinLength	1-100 aa
Description	Protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. May constitute a glutathione peroxidase-like protective system against peroxide damage in sperm membrane lipids.
Form	Tris-based buffer,50% glycerol
Molecular Mass	28.4 kDa
AA Sequence	MTTQLRVVHLLPLLLACFVQTSPKQEKMKMDCHKDEKGTIYDYEAIALNKNEYVSFK QYVGKHILFVNVATYCGLTAQYPGMSVQGEDLYLVSSFLRKGM
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

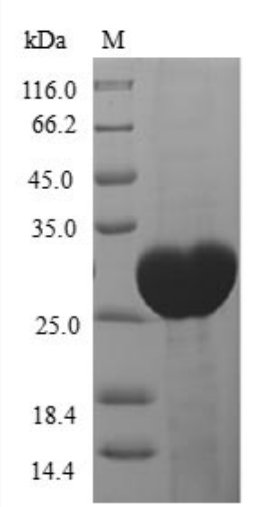
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	centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	GPX5 glutathione peroxidase 5 (epididymal androgen-related protein) [Homo sapiens]
Official Symbol	GPX5
Synonyms	GPX5; EGLP; GPx-5; GSHPx-5; epididymal androgen-related protein;
Gene ID	2880
mRNA Refseq	NM_001509
Protein Refseq	NP_001500
MIM	603435
UniProt ID	O75715

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

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