

Recombinant Rat Gpx5 protein, His-tagged

Cat. No. Gpx5-1107R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gpx5 aa. (Thr22~Ile221 (Accession # P30710) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Thr22~Ile221
Description	Enzyme that catalyzes the reduction of lipid peroxides; has a role in the hydrogen peroxide scavenging system found within the epididymis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.5kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

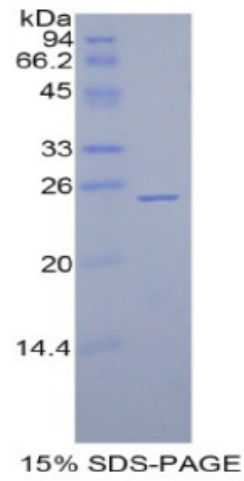
Gene Name	Gpx5 glutathione peroxidase 5 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Gpx5
Synonyms	Gpx5; glutathione peroxidase 5; epididymal secretory glutathione peroxidase; EGLP; GPx-5; GSHPx-5; epididymis-specific glutathione peroxidase-like protein
Gene ID	113919
mRNA Refseq	NM_001105738.1
Protein Refseq	NP_001099208.1
UniProt ID	P30710

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SDS-PAGE



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