

Glutathione Peroxidase 4 (GPX4) Recombinant Protein | GPX4 recombinant protein

Recombinant Glutathione Peroxidase 4 (GPX4)

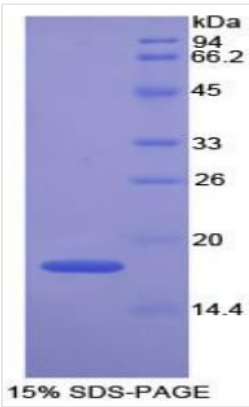
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA134214	E.coli	Mus musculus (Mouse)	Western Blot, SDS-Page

PRODUCT SYNONYMS

Glutathione Peroxidase 4 (GPX4); Recombinant Glutathione Peroxidase 4 (GPX4); GPX4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose .
Concentration	Original Concentration: 2000ug/mL (varies by lot)
Applicable Applications for GPX4 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Gly74~Leu197
Tags	N-terminal His Tag
Subcellular Location	Mitochondrion, Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	8.8
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence

GKTDVNYTQLVDLHARYAECGLRILAF
PCNQFGRQEPGSNQEIKEFAAGYNVKFDMYSKICVNGDDAHPLWKWKVQ
PKGRGMLGNAIKWNFTKFLIDKNGCVVKRYGPMEEPQVIEKDLP CYL

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	90903233
NCBI GeneID	625249
NCBI Accession #	NP_001032830.2
NCBI GenBank Nucleotide #	NM_001037741.3
UniProt Accession #	O70325; Q8K4U8; Q91XR9
Molecular Weight	Predicted Molecular Mass: 17.9kDa Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	phospholipid hydroperoxide glutathione peroxidase, nuclear isoform 1
NCBI Official Synonym Full Names	glutathione peroxidase 4
NCBI Official Symbol	Gpx4
NCBI Official Synonym Symbols	GPx-4; PHGPx; snGPx; GSHPx-4; mtPHGPx
NCBI Protein Information	phospholipid hydroperoxide glutathione peroxidase, nuclear; sperm nuclei glutathione peroxidase; phospholipid hydroperoxide glutathione peroxidase, mitochondrial
UniProt Protein Name	Phospholipid hydroperoxide glutathione peroxidase, nuclear
UniProt Gene Name	Gpx4
UniProt Synonym Gene Names	GPx-4; GSHPx-4
UniProt Entry Name	GPX42_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.