

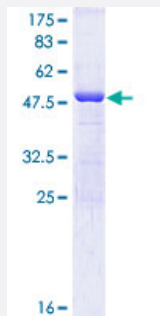
Full-Length

PRDX6 (Human) Recombinant Protein (P01)

Catalog # H00009588-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PRDX6 full-length ORF (AAH35857.1, 1 a.a. - 224 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MPGGLLLGDVAPNFEANTTVGRIRFHDFLGDSWGILFSHPRDFTPVCTTELGRAAKLAPEFAKRN VKLIALSIDSVEDHLAWSKDINAYNCEETPEKLPFPIDDRNRELAILLGMLDPAEKDEKGMPVTAR VVVFVGPDKKLKLSILYPATTGRNFDEILRVVISLQLTAEKRVATPVDWKDGDSVMVLPTIPEEEAK KLFPKGVFTKELPSGKKYLRYPQP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50.38
Interspecies Antigen Sequence	Mouse (89); Rat (91)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PRDX6

Entrez GeneID [9588](#)

GeneBank Accession# [BC035857](#)

Protein Accession# [AAH35857.1](#)

Gene Name PRDX6

Gene Alias 1-Cys, AOP2, KIAA0106, MGC46173, NSGPx, PRX, aiPLA2, p29

Gene Description peroxiredoxin 6

Omim ID [602316](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq]

Other Designations 1-Cys peroxiredoxin|OTTHUMP00000032693|acidic calcium-independent phospholipase A2|antioxidant protein 2|non-selenium glutathione peroxidase

Pathway

- [Biosynthesis of phenylpropanoids](#)

- [Metabolic pathways](#)
- [Methane metabolism](#)
- [Phenylalanine metabolism](#)
- [Phenylpropanoid biosynthesis](#)
- [Tropane](#)

Disease

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)