

Recombinant Human PRDX4 Protein

Catalog #	Source	Reactivity	Applications
CRP2153	E. coli	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human PRDX4 Protein is produced by our E. coli expression system and the target gene encoding Met1-Asn271 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.		
Form	Liquid in a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, 1mM DTT, pH 8.0.		
Gene Symbol	PRDX4		
Alternative Names	Peroxiredoxin-4; Antioxidant enzyme AOE372; AOE37-2; Peroxiredoxin IV; Prx-IV; Thioredoxin peroxidase AO372; Thioredoxin-dependent peroxide reductase A0372		
Entrez Gene	10549 (Human)		
SwissProt	Q13162 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>MGSSHHHHHH SGLVPRGSH MEALPLLAAT TPDHGRHRRL LLLPLLLFLL PAGAVQGWET</p> <p>EERPRTREEE CHFYAGGQVY PGEASRVSA DHSLHLSKAK ISKPAPYWEG TAVIDGEFKE</p> <p>LKLTDYRGKY LVFFFYPLDF TFVCPTEIIA FGDRLEEFRS INTEVVACSV DSQFTHLAWI</p> <p>NTPRRQGGLG PIRIPLSDL THQISKDYGV YLEDSGHTLR GLFIIDDKGI LRQITLNDLP</p> <p>VGRSVDETLR LVQAFQYTDK HGEVCPAGWK PGSETIIPDP AGKLYFDKL NLEHHHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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