

Product Data Sheet

Recombinant Human Peroxiredoxin-5 Protein

Catalog #	Source	Reactivity	Applications
CST1994	E. coli	H	
Description	Recombinant Human Peroxiredoxin-5 Protein is produced by E. coli expression system and the target gene encoding Met53-Leu214 is expressed with C-terminus His tag.		
Form	Liquid in a 0.2 µm filtered solution of PBS, pH 7.4.		
Gene Symbol	PRDX5		
Alternative Names	ACR1; Peroxiredoxin-5, mitochondrial; Alu corepressor 1; Antioxidant enzyme B166; AOEB166; Liver tissue 2D-page spot 71B; PLP; Peroxiredoxin V; Prx-V; Peroxisomal antioxidant enzyme; TPx type VI; Thioredoxin peroxidase PMP20; Thioredoxin reductase		
Entrez Gene	25824		
SwissProt	P30044		
Purity			
Chemical Structure	MAPIKVGDAI PAVEVFEGEP GNKVNLAELF KGKKGVLFV PGAFTPGCSK THLPGFVEQA EALKAKGVQV VACLSVNDAF VTGEWGRAHK AEGKVRLLAD PTGAFGKETD LLLDDSLVSI FGNRRLLKRFS MIVVQDGIVKA LNVEPDGTGL TCSLAPNIIS QL		
Quality Control			
Directions for Use	Always centrifuge tubes before opening. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.		

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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