

## Recombinant Human Peroxiredoxin 5 Protein

Catalog #	Source	Reactivity	Applications
CRP2789	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human Peroxiredoxin 5 Protein is produced by mammalian expression system and the target gene encoding Met53-Leu214 is expressed with a 6His tag at the N-terminus.

**Form** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**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 (Human)

**SwissProt** P30044 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** HHHHHHMAPI KVGDAIPAVE VFEGEPGNKV NLAELFKGKK GVLFGVPGAF TPGCSKTHLP GFVEQAEALK AKGVQVVAQL SVNDAFVTGE WGRAHKAEGK VRLADPTGA FGKETDLLLD DSLVSIFGNR RLKRFSMVVQ DGIVKALNVE PDGTGLTCSL APNIISQL

**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. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Storage/Stability** Lyophilized protein should be stored at -20°C, though stable at room temperature

**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

### COHESION BIOSCIENCES LIMITED

**WEB**  
www.cohesionbio.com

**ORDER**  
order@cohesionbio.com

**SUPPORT**  
techsupport@cohesionbio.com

**CUSTOM**  
custom@cohesionbio.com

# Product Data Sheet

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

**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

## COHESION BIOSCIENCES LIMITED

**WEB**

[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**

[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**

[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**

[custom@cohesionbio.com](mailto:custom@cohesionbio.com)