

# Product Data Sheet

## Recombinant Human PRDX6 Protein

| Catalog #                 | Source                                                                                                                                                                                                                                                                                    | Reactivity | Applications        |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------|
| CRP2154                   | E. coli                                                                                                                                                                                                                                                                                   | H          | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human PRDX6 Protein is produced by E. coli expression system and the target gene encoding Met1-Pro224 is expressed with a 6His tag at the N-terminus.                                                                                                                         |            |                     |
| <b>Form</b>               | Liquid in a 0.2 µM filtered solution of PBS, PH7.4.                                                                                                                                                                                                                                       |            |                     |
| <b>Gene Symbol</b>        | PRDX6                                                                                                                                                                                                                                                                                     |            |                     |
| <b>Alternative Names</b>  | AOP2; KIAA0106; Peroxiredoxin-6; 1-Cys peroxiredoxin; 1-Cys PRX; 24 kDa protein; Acidic calcium-independent phospholipase A2; aiPLA2; Antioxidant protein 2; Liver 2D page spot 40; Non-selenium glutathione peroxidase; NSGPx; Red blood cells page spot 12                              |            |                     |
| <b>Entrez Gene</b>        | 9588 (Human)                                                                                                                                                                                                                                                                              |            |                     |
| <b>SwissProt</b>          | P30041 (Human)                                                                                                                                                                                                                                                                            |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                                      |            |                     |
| <b>Chemical Structure</b> | MGSSHHHHHH SSGLVPRGSH MPGGLLLGDV APNFEANTTV GRIRFHDFLG DSWGILFSHP<br>RDFTPVCTTE LGRAAKLAPE FAKRNVKLI A LSIDSVEDHL AWSKDINAYN CEEPTEKLPF<br>PIIDDRNREL AILLGMLDPA EKDEKGMPTV ARVVFVFGPD KKLKLSILYP ATTGRNFDEI<br>LRVVISLQLT AEKRVATPVD WKDGDSVMVL PTIPEEEAKK LFPKGVFTKE LPSGKKYLRY<br>TPQP |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.                                                                                                                                                                                                                      |            |                     |
| <b>Directions for Use</b> | 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. Please aliquot the reconstituted solution to minimize 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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# Product Data Sheet

## 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.

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