

## Recombinant Human PRDX1 Protein

| Catalog #                 | Source  | Reactivity | Applications        |
|---------------------------|---|------------|---------------------|
| CRP2150                   | E. coli   | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human PRDX1 Protein is produced by our E. coli expression system and the target gene encoding Met1-Lys199 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.   |            |                     |
| <b>Form</b>               | Liquid in a 0.2 µM filtered solution of PBS, 10% glycerol, 0.1mM DTT, pH 6.0.   |            |                     |
| <b>Gene Symbol</b>        | PRDX1   |            |                     |
| <b>Alternative Names</b>  | PAGA; PAGB; TDPX2; Peroxiredoxin-1; Natural killer cell-enhancing factor A; NKEF-A; Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2  |            |                     |
| <b>Entrez Gene</b>        | 5052 (Human)  |            |                     |
| <b>SwissProt</b>          | Q06830 (Human)  |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.  |            |                     |
| <b>Chemical Structure</b> | MGSSHHHHHH SGLVPRGSH MSSGNAKIGH PAPNFKATAV MPDGQFKDIS LSDYKGYVV<br>FFFYPLDFTF VCPTEIIAFS DRAEEFKKLN CQVIGASVDS HFCHLAWVNT PKKQGGLGPM<br>NIPLVSDPKR TIAQDYGVK ADEGISFRGL FIIDDKGILR QITVNDLPVG RSVDETLRLV<br>QAFQFTDKHG EVCPAGWKPG SDTIKPDVQK SKEYFSKQKL EHHHHHH |            |                     |
| <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. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.   |            |                     |
| <b>Storage/Stability</b>  | 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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