



Recombinant Chicken Peroxiredoxin-6 (PRDX6)

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|--------------------------|---|
| Product Code | CSB-MP736570CH |
| Abbreviation | PRDX6 |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | Q5ZJF4 |
| Product Type | Recombinant Protein |
| Immunogen Species | Gallus gallus (Chicken) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | PGLLLGDEA PNFEADTTQG GIRFHDFLGD SWGILFSHPR DFTPVCTTEL GRAAKLAPEF SKRNVKMIAL SIDSVPDHLA WSKDINAYNG DQPVEKLPFP IIADKDRELA VKLGMLDPDE RDKDGMPLTA RVVFIFGPKD KKLKLSILYPA TTGRNFDEIL RVVDSLQLTA YKKVATPVDW KCGDSVMVVP TLPDEEAKKL FPKGVFTKDL PSGKKYLRYT PQPE |
| Source | Mammalian cell |
| Target Names | PRDX6 |
| Protein Names | Recommended name: Peroxiredoxin-6 EC= 1.11.1.15 |
| Expression Region | 2-224 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | This protein is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H ₂ O ₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
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