



Recombinant Bovine Glutathione peroxidase 3 (GPX3)

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| Product Code | CSB-YP009868BO |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P37141 |
| Product Type | Recombinant Protein |
| Immunogen Species | Bos taurus (Bovine) |
| Purity | >85% (SDS-PAGE) |
| Sequence | QEKSKT DCHAGVGGTI YEYGALTIDG EEYIPFKQYA GKYILFVNVA SYUGLTGQYV ELNALQEELE PFGLVILGFP CNQFGKQEPG ENSEILATLK YVRPGGGFTP NFQLFEKGDV NGEKEQKFYT FLKNSCPPTS ELLGSPDRLF WPEMKVHDIR WNFEEKFLVGP DGIPIMRWYH RTTVNSVKMD ILTYMRRRAV WEAKGK |
| Source | Yeast |
| Target Names | GPX3 |
| Protein Names | Recommended name: Glutathione peroxidase 3 Short name= GPx-3 Short name= GSHPx-3 EC= 1.11.1.9 Alternative name(s): Plasma glutathione peroxidase Short name= GPx-P Short name= GSHPx-P |
| Expression Region | 25-226 |
| 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 gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3 UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. |
| 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. |
| Shelf Life | 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.