



# Recombinant Human Glutathione peroxidase 6 (GPX6)

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| <b>Product Code</b>      | CSB-EP009871HU-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P59796   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Homo sapiens (Human)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | Q QTLKPQNRKV DCNKGVTGTI YEYGALTLNG EEYIQFKQFA GKHVLFVNVA<br>AYUGLAAQYP ELNALQEELK NFGVIVLAFP CNQFGKQEPG TNSEILLGLK<br>YVCPGSGFVP SFQLFEKGDV NGEKEQKVFT FLKNSCPPTS DLLGSSSQLF<br>WPEMKVHDIR WNF EKFLVGP DGVPVMHWFH QAPVSTVKSD ILEYLKQFNT<br>H   |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | GPX6   |
| <b>Protein Names</b>     | Recommended name: Glutathione peroxidase 6 Short name= GPx-6 Short name= GSHPx-6 EC= 1.11.1.9  |
| <b>Expression Region</b> | 20-221   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | 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. Expression of this gene is restricted to embryos and adult olfactory epithelium. |
| <b>Reconstitution</b>    | 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.  |
| <b>Shelf Life</b>        | 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.