



Recombinant Rat Glutathione peroxidase 3 (Gpx3)

Product Code	CSB-EP009868RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P23764
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	QEKSKT DCHGGMSGTI YEYGALTIDG EEYIPFKQYA GKYILFVNVA SYUGLTDQYL ELNALQEELG PFGLVILGFP CNQFGKQEPG ENSEILPSLK YVRPGGGFVP NFQLFEKGDV NGEKEQKFYT FLKNSCPPTA ELLGSPGRLF WEPMKIHDR WNF EKFLVGP DGIPIMRWYH RTTVSNVKMD ILSYMRRQAA LGARGK
Source	E.coli
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.