Recombinant Mouse Epididymal secretory glutathione peroxidase (Gpx5)

Product Code	CSB-EP009870MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P21765
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	TPRPEKMKM DCYKDVKGTI YDYEALSLNG KEHIPFKQYA GKHVLFVNVA TYCGLTIQYP ELNALQEDLK PFGLVILGFP CNQFGKQEPG DNLEILPGLK YVRPGKGFLP NFQLFAKGDV NGENEQKIFT FLKRSCPHPS ETVVMSKHTF WEPIKVHDIR WNFEKFLVGP DGIPVMRWFH QAPVSTVKSD IMAYLSHFKT I
Source	E.coli
Target Names	Gpx5
Protein Names	Recommended name: Epididymal secretory glutathione peroxidase EC= 1.11.1.9 Alternative name(s): Epididymis-specific glutathione peroxidase-like protein Short name= EGLP Glutathione peroxidase 5 Short name= GPx-5 Short
Expression Region	22-221
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 belongs to the glutathione peroxidase family. It is specifically expressed in the epididymis in the mammalian male reproductive tract, and is androgen-regulated. Unlike mRNAs for other characterized glutathione peroxidases, this mRNA does not contain a selenocysteine (UGA) codon. Thus, the encoded protein is selenium-independent, and has been proposed to play a role in protecting the membranes of spermatozoa from the damaging effects of lipid peroxidation and/or preventing premature acrosome reaction. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
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.