



# Recombinant Mouse Glutathione peroxidase 2 (Gpx2)

<b>Product Code</b>	CSB-YP872823MO
<b>Abbreviation</b>	Gpx2
<b>Storage</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.
<b>Uniprot No.</b>	Q9JHC0
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAYIAKSFYD LSAIGLDGEK IDFNTFRGRA VLIENVASLU GTTTRDYNQL NELQCRFPRR LVLGFPCNQ FGHQENCQNE EILNSLKYVR PGGGYQPTFS LTQKCDVNGQ NEHPVFAYLK DKLPYPYDDP FSLMTPKLI IWSPVRRSDV SWNFEKFLIG PEGEPFRRYS RSFQTINIEP DIKRLKVAI
<b>Source</b>	Yeast
<b>Target Names</b>	Gpx2
<b>Protein Names</b>	Recommended name: Glutathione peroxidase 2 Short name= GPx-2 Short name= GSHPx-2 EC= 1.11.1.9 Alternative name(s): Glutathione peroxidase-gastrointestinal Short name= GPx-GI Short name= GSHPx-GI
<b>Expression Region</b>	1-190
<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 protein
<b>Target Details</b>	This gene is a member of the glutathione peroxidase family and encodes a selenium-dependent glutathione peroxidase that is one of two isoenzymes responsible for the majority of the glutathione-dependent hydrogen peroxide-reducing activity in the epithelium of the gastrointestinal tract. Studies in knockout mice indicate that mRNA expression levels respond to luminal microflora, suggesting a role of the ileal glutathione peroxidases in preventing inflammation in the GI tract.
<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.



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