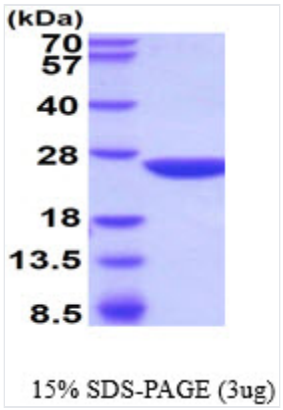
GSTP2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	GSTP2, Recombinant Protein
Full Product Name	GSTP2, 1-210aa, Mouse, E Coli
Product Gene Name	GSTP2 recombinant protein
Product Synonym Names	Gst-3; Gst3; GSTpiA
Sequence	MPPYTIVYFP SPGRCEAMRM LLADQGQSWK EEVVTIDTWM QGLLKPTCLY GQLPKFEDGD LTLYQSNAIL RHLGRSLGLY GKNQREAAQV DMVNDGVEDL RGKYGTMIYR NYENGKNDYV KALPGHLKPF ETLLSQNQGG KAFIVGDQIS FADYNLLDLL LIHQVLAPGC LDNFPLLSAY VARLSARPKI KAFLSSPEHV NRPINGNGKQ
Host	E Coli
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 20% glycerol
Purity/Purification	> 95% by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	23.5kDa (210aa)
3D Structure	ModBase 3D Structure for P46425
Antigen Species	Mouse
Product Categories/Family for GSTP2 recombinant protein	Enzymes & Proteases
Applications Tested/Suitable for GSTP2 recombinant protein	SDS-PAGE
Related Product Information for GSTP2 recombinant protein	GSTP2 also known as Gltathione S-transferase P2. Glutathione S-transferases are multifunctional enzymes involved in the protection of cellular components against anti-cancer drugs or peroxidative stress. Downregulation of GSTP2 may induce an increase of oxidative damage in the pyramidal cells of the CA1 and CA3 regions and granular layer of the dentate gyrus, leading to structural and functional damage. Recombinant mouse GSTP2 was expressed in E Coli and purified by using conventional chromatography techniques.
Product References and Citations for GSTP2 recombinant protein	Ejchel-Cohen TF., et al. (2006) Brain Res. 1090 (1): 156-62.; Goto S., et al. (2009) Free Radic Bio Med. 46 (10): 1392-403.
Other Notes	Small volumes of GSTP2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GSTP2 purchase	MBS206184 is a recombinant protein targeting GSTP2. Also known as GSTP2, 1-210aa, Mouse, E Coli. Host: E Coli.



SDS-Page of GSTP2 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSTP2. It may not necessarily be applicable to this product.

NCBI GI #	32401425
NCBI GeneID	14869
NCBI Accession #	NP_861461
UniProt Primary Accession #	P46425
UniProt Secondary Accession #	Q505C3
UniProt Related Accession #	P46425
GenBank Nucleotide #	NM_181796.2
NCBI Official Full Name	glutathione S-transferase P 2
NCBI Official Synonym Full Names	glutathione S-transferase, pi 2
NCBI Official Symbol	Gstp2
NCBI Official Synonym Symbols	Gst3; Gst-3; GSTpiA
UniProt Protein Name	Glutathione S-transferase P 2
UniProt Synonym Protein Names	GST YF-YF; GST class-pi; GST-piA
Protein Family	Glutathione S-transferase
UniProt Gene Name	Gstp2
UniProt Synonym Gene Names	Gstpia; Gst P2
NCBI Protein Information	glutathione S-transferase P 2
UniProt Comments for GSTP2	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Cannot metabolize 1-chloro-2,4-dinitrobenzene.
Research Articles on GSTP2	**1.** GSTP1/2 are a critical regulators of hepatocyte proliferation in the initial phases of liver regeneration.
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