

Recombinant Mouse GSTP2 Protein

Cat. No. GSTP2-35M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse GSTP2 was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol
Molecular Mass	23.5kDa (210aa)
AA Sequence	MPPYTIVYFP SPGRCEAMRM LLADQGQSWK EEVVTIDTWM QGLLKPTCLY GQLPKFEDGD LTLYQSNAIL RHLGRSLGLY GKNQREAAQVDMVNDGVEDL RGKYGTMIYR NYENGKNDYV KALPGHLKPF ETLLSQNQGG KAFIVGDQIS FADYNLLDLL LIHQVLAPGC LDNFPLLSAYVARLSARPKI KAFLSSPEHV NRPINGNGKQ
Purity	>95% by SDS - PAGE

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Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20Centigrade or -70Centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	Gstp2 glutathione S-transferase, pi 2 [Mus musculus]
Official Symbol	Gstp2
Synonyms	Gst-3; Gst3; GSTpiA; GSTP2
Gene ID	14869
mRNA Refseq	NM_181796
Protein Refseq	NP_861461
MIM	
UniProt ID	P46425
Chromosome Location	Gstp2
Pathway	Chemical carcinogenesis, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem
Function	S-nitrosoglutathione binding; dinitrosyl-iron complex binding; drug binding; glutathione

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