Recombinant Mouse Gstp2 protein, His-tagged

Cat. No. Gstp2-185M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse GSTP2, fused to His-tag at N-terminus 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 P 2 is multifunctional enzymes involved in the protection of cellular components against anti-cancer drugs or peroxidative stress. Down regulation 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 10% glycerol
Molecular Mass	25.9kDa (233aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPPYTIV YFPSPGRCEA MRMLLADQGQ SWKEEVVTID TWMQGLLKPT CLYGQLPKFE DGDLTLYQSNAILRHLGRSL GLYGKNQREA AQVDMVNDGV EDLRGKYGTM IYRNYENGKN DYVKALPGHL KPFETLLSQN QGGKAFIVGD QISFADYNLLDLLLIHQVLA PGCLDNFPLL SAYVARLSAR PKIKAFLSSP EHVNRPINGN GKQ
Purity	> 95% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Gstp2 glutathione S-transferase, pi 2 [Mus musculus]
Official Symbol	Gstp2
Synonyms	Gst3; Gst-3; GSTpiA; GST YF-YF; GST class-pi; GST-piA; Gst p-2; gst P2
Gene ID	14869
mRNA Refseq	NM_181796
Protein Refseq	NP_861461
MIM	
UniProt ID	P46425
Chromosome Location	19 A; 19 3.75 cM
Pathway	Biological oxidations, organism-specific biosystem; Cellular responses to stress, organism-specific biosystem; Circadian Exercise, organism-specific biosystem
Function	S-nitrosoglutathione binding; dinitrosyl-iron complex binding; drug binding

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