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**Product Data Sheet**


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Product Name: GSTP2 Mouse, His

Cat. No.: GP21757

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GlutathioneS-transferase P 2 (EC:2.5.1.18); Gst P2; GST YF-YF; GST class-pi; GST-piA; Gstp2;Gstpia.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMPPTYTIV YFPSPGRCEA MRMLLADQQQ SWKEEVVTID TWMQGLLKPTCLYGQLPKFE DGDLTLYQSN AILRHLGRSL GLYGKNQREA AQVDMVNDGV EDLRGKYGTM IYRNYENKNDYVKALPGHL KPFETLLSQN QGGKAFIVGD QISFADYNLL DLLLIHQVLA PGCLDNFPLLSAYVARLSAR PKIKAFLLSSP EHVNRPINGN GKQ.		
Formulation	GSTP2 protein solution (1mg/ml) containing PhosphateBuffered Saline (pH 7.4) and 10% glycerol.		

**Introduction**

Glutathione S-transferase PI 2, also known as GSTP2 is multifunctional enzyme which is involved in the protection of cellular components against anti-cancer drugs or peroxidative stress. Furthermore, down regulation of GSTP2 induces an increase of oxidative damage in the pyramidal cells of the CA1&CA3 regions as well as in the granular layer of the dentate gyrus, which at the end leads to structural and functional damage.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

GSTP2 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 233 amino acids (1-210 a.a) and having a molecular mass of 25.9kDa.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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GSTP2 is fused to a 23 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.

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