

Recombinant Full Length Human GSTP1 Protein, C-Flag-tagged

Cat. No. GSTP1-1202HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GSTP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23.2 kDa
AA Sequence	MPPYTVVYFPVRGRCAALRMLLADQQQSWKEEVVTVETWQEGSLKASCLYGQLPK FQDGLTLYQSNTIL RHLGRTLGLYGKDDQQAALVDMVNDGVEDLRCKYVSLIYTN YEAGKDDYVKALPGQLKPFETLLSQNQGG KTFIVGDQISFADYNLLDLLLIHEVLAPG CLDAFPLLSAYVGRLSARPKLKAFLASPEYVNLPIGNGKQ

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome

Protein Pathways Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450, Pathways in cancer, Prostate cancer

Full Length Full L.

GENE INFORMATION

Gene Name [GSTP1 glutathione S-transferase pi 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [GSTP1](#)

Synonyms PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22

Gene ID [2950](#)

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mRNA Refseq	NM_000852.4
Protein Refseq	NP_000843.1
MIM	134660
UniProt ID	P09211

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