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Product datasheet for AR09222PU-L

GSTP1 / GST3 (1-210, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GSTP1 / GST3 (1-210, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMPP YTVVYFPVRG RCAALRMLLA DQGQSWKEEV VTVETWQEGS LKASCLYGQL PKFQDGDLTL YQSNTILRHL GRTLGLYGKD QQEAALVDMV NDGVEDLRCK YISLIYTNYE AGKDDYVKAL PGQLKPFETL LSQNQGGKTF IVGDQISFAD YNLLDLLLIH EVLAPGCLDA FPLLSAYVGR LSARPKLKAF LASPEYVNLP INGNGKQ
Tag:	His-tag
Predicted MW:	27.6 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 7.0) containing 30% glycerol, 1 mM EDTA, 0.1 mM PMSF
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant GSTP1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000843
Locus ID:	2950
UniProt ID:	P09211, V9HWE9
Cytogenetics:	11q13.2

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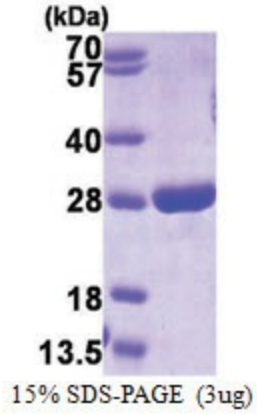
Synonyms: DFN7; FAEES3; GST3; GSTP; HEL-S-22; PI

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

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

Product images:



15% SDS-PAGE (3ug)