

Product datasheet for **AR51906PU-S**

GSTA1 (1-223, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	GSTA1 (1-223, His-tag) mouse recombinant protein, 0.1 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMAGKPVL HYFNARGRME CIRWLLAAAG VEFEEKFIQS PEDLEKLLKD GNLMFDQVPM VEIDGMKLAQ TRAILNYIAT KYDLYGKDMK ERALIDMYSE GILDITEMIG QLVLCPPDQR EAKTALAKDR TKNRYLPAFE KVLKSHGQDY LVGNRLTRVD IHLLLEVLIV EEFDASLLTP FPLLKAFKSR ISSLPNVKKF LQPGSQRKPP MDAKQIQEAR KAFKIQ
Tag:	His-tag
Predicted MW:	28 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse Gsta1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_032207
Locus ID:	14857
UniProt ID:	P13745
Cytogenetics:	9 43.65 cM
Synonyms:	Glutathione S-transferase A1, GSTA1-1, GTH1, GST-epsilon



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Summary:

Glutathione S-transferase that catalyzes the nucleophilic attack of the sulfur atom of glutathione on the electrophilic groups of a wide range of exogenous and endogenous compounds (Probable). Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2). It also catalyzes the isomerization of D5-androstene-3,17-dione (AD) into D4-androstene-3,17-dione and may therefore play an important role in hormone biosynthesis. Through its glutathione-dependent peroxidase activity toward the fatty acid hydroperoxide (13S)-hydroperoxy-(9Z,11E)-octadecadienoate/13-HPODE it is also involved in the metabolism of oxidized linoleic acid (By similarity). [UniProtKB/Swiss-Prot Function]

Product images: