

Glutathione S-transferase P 1 Recombinant Protein | Gstp1 recombinant protein

Recombinant Mouse Glutathione S-transferase P 1

CATALOG # AAA113363	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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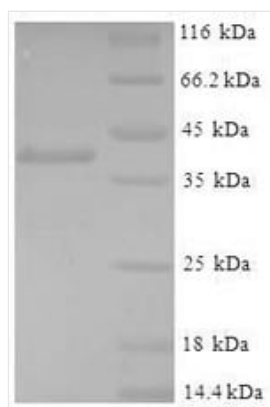
PRODUCT SYNONYMS

Glutathione S-transferase P 1; Recombinant Mouse Glutathione S-transferase P 1; GST YF-YFGST class-pi; GST-piB; Preadipocyte growth factor; Gstp1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-210aa; Full Length
Sequence	PPYTIVYFPV RGRCEAMRML LADQGQSWKE EVVTIDTWMQ GLLKPTCLYG QLPKFEDGDL TLYQSNAILR HLGRSLGLYG KNQREAAQMD MVNDGVEDLR GKYVTLIYTN YENGKNDYVK ALPGHLKPF TLLSQNQGGK AFIVGDQISF ADYNLLDLLL IHQVLAPGCL DNFPLLSAYV ARLSARPKIK AFLSSPEHVN RPINGNGKQ
Sequence Length	210
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Gstp1 recombinant protein	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Can metabolize 1-chloro-2,4-dinitrobenzene. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration.
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References	A cDNA sequence coding a class pi glutathione S-transferase of mouse.Hatayama I., Satoh K., Sato K.Nucleic Acids Res. 18:4606-4606(1990) Isolation and characterization of two mouse PI class glutathione S-transferase genes.Bammler T.K., Smith C.A.D., Wolf R.C.Biochem. J. 298:385-390(1994) Two murine GSTpi genes are arranged in tandem and are differentially expressed.Xu X., Stambrook P.J.J. Biol. Chem. 269:30268-30273(1994) Molecular cloning of mouse preadipocyte growth factor.Kawada T., Aoki N., Kamei Y., Sugimoto E. Lubec G., Klug S., Kang S.U.Submitted (APR-2007) to UniProtKB Purification, mass spectrometric characterization, and covalent modification of murine glutathione S-transferases.Mitchell A.E., Morin D., Lame M.W., Jones A.D.Chem. Res. Toxicol. 8:1054-1062(1995) SIRT5-mediated lysine desuccinylation impacts diverse metabolic pathways.Park J., Chen Y., Tishkoff D.X., Peng C., Tan M., Dai L., Xie Z., Zhang Y., Zwaans B.M., Skinner M.E., Lombard D.B., Zhao Y.Mol. Cell 50:919-930(2013) Molecular structure at 1.8 Å of mouse liver class pi glutathione S-transferase complexed with S-(p-nitrobenzyl) glutathione and other inhibitors.Garcia-Saez I., Parraga A., Phillips M.F., Mantle T.J., Coll M.J. Mol. Biol. 237:298-314(1994) The three-dimensional structure of Cys-47-modified mouse liver glutathione S-transferase P1-1. Carboxymethylation dramatically decreases the affinity for glutathione and is associated with a loss of electron density in the alphaB-310B region.Vega M.C., Walsh S.B., Mantle T.J., Coll M.J. Biol. Chem. 273:2844-2850(1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10092608
NCBI GeneID	14870
NCBI Accession #	NP_038569.1
NCBI GenBank Nucleotide #	NM_013541.1
UniProt Accession #	P19157; Q8BNY4
Molecular Weight	25.5 kDa
NCBI Official Full Name	glutathione S-transferase P 1
NCBI Official Synonym Full Names	glutathione S-transferase, pi 1
NCBI Official Symbol	Gstp1
NCBI Official Synonym Symbols	GstpiB
NCBI Protein Information	glutathione S-transferase P 1
UniProt Protein Name	Glutathione S-transferase P 1
UniProt Gene Name	Gstp1
UniProt Synonym Gene Names	Gstpib; Gst P1
UniProt Entry Name	GSTP1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.