

GSTP1 Protein, Human

Cat. No.:	HY-P70150
Synonyms:	rHuGlutathione S-transferase P/GSTP1; Glutathione S-transferase P; GSTP1; GST class-pi; GSTP1-1; FAES3; GST3;
Species:	Human
Source:	E. coli
Accession:	AAH10915.1 (M1-Q210)
Gene ID:	2950
Molecular Weight:	Approximately 23.66 kDa

PROPERTIES

AA Sequence	<pre> M P P Y T V V Y F P V R G R C A A L R M L L A D Q G Q S W K E E V V T V E T W Q E G S L K A S C L Y G Q L P K F Q D G D L T L Y Q S N T I L R H L G R T L G L Y G K D Q Q E A A L V D M V N D G V E D L R C K Y V S L I Y T N Y E A G K D D Y V K A L P G Q L K P F E T L L S Q N Q G G K T F I V G D Q I S F A D Y N L L D L L L I H E V L A P G C L D A F P L L S A Y V G R L S A R P K L K A F L A S P E Y V N L P I N G N G K Q </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, 10% Glycerol, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>Glutathione S-transferase P (GSTP1) is a member of GSTs family, which are a group of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione.</p> <p>GSTP1 enables JUN kinase binding activity; glutathione transferase activity; and kinase regulator activity. GSTP1 is also involved in negative regulation of cell population proliferation, intracellular signal transduction and macromolecule</p>
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metabolic process. GSTP1 is part of protein-containing complex, and is implicated in several diseases, including brain disease (multiple), carcinoma (multiple), hematologic cancer (multiple), reproductive organ cancer (multiple), and respiratory system disease (multiple) ^{[1][2][3]}.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA