

Human recombinant protein GSTP1
Human Recombinant GSTP1
Catalog # PBV10584r**Specification**

Human recombinant protein GSTP1 - Product info

Primary Accession	P09211
Concentration	2
Calculated MW	27.6 kDa KDa

Human recombinant protein GSTP1 - Additional Info

Gene ID	2950
Gene Symbol	GSTP1

Other Names

Glutathione S-transferase P, DFN7, FAEES3, GST3, PI

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHHSSGLVPRGSHMPPYTVVYFPV RGRCAALRMLLADQGQSWKEEVTVETWQEG SLKASCLYGQLPKFQDGDLTLYQSNILRHLGR TLGLYGKDDQEAALVDMVNDGVEDLRCKYISLI YTNYEAGKDDYVKALPGQLKPFETLLSQNQGG KTFIVGDQISFADYNLLDLLLIHEVLAPGCLDAF PLLSAYVGRLSARPKLKAFLASPEYVNLPIGN GKQ

Format

Liquid

Storage

-80°C; 2.0 mg/ml solution in 30% glycerol without additives.

Human recombinant protein GSTP1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein GSTP1 - Images**Human recombinant protein GSTP1 - Background**

Glutathione S-transferase P is an enzyme that in humans is encoded by the GSTP1 gene. 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. The glutathione S-transferase pi gene (GSTP1) 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.

Human recombinant protein GSTP1 - References

Kano T.,et al.Cancer Res. 47:5626-5630(1987).
Cowell I.G.,et al.Biochem. J. 255:79-83(1988).
Morrow C.S.,et al.Gene 75:3-11(1989).
Moscow J.A.,et al.Cancer Res. 49:1422-1428(1989).
Bora P.S.,et al.Submitted (JUL-1994) to the EMBL/GenBank/DDBJ databases.