

Recombinant Human GSTP1, His-tagged

Cat. No. GSTP1-13581H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTP1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-210a.a.
Description	The product of this gene belongs to a small family of adapter proteins that are known to interact with a number of receptor tyrosine kinases and signaling molecules. This gene encodes a growth factor receptor-binding protein that interacts with insulin receptors and insulin-like growth-factor receptors. This protein likely has an inhibitory effect on receptor tyrosine kinase signaling and, in particular, on insulin receptor signaling. This gene may play a role in signaling pathways that regulate growth and metabolism. Transcript variants have been reported for this gene, but their full-length natures have not been determined to date.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing

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cycles.

Storage Buffer

1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name

[GSTP1 glutathione S-transferase pi 1 \[Homo sapiens \]](#)

Official Symbol

GSTP1

Synonyms

GSTP1; glutathione S-transferase pi 1; FAEES3, GST3; glutathione S-transferase P; GSTP; GSTP1-1; GST class-pi; deafness, X-linked 7; fatty acid ethyl ester synthase III; PI; DFN7; GST3; FAEES3;

Gene ID

[2950](#)

mRNA Refseq

[NM_000852](#)

Protein Refseq

[NP_000843](#)

MIM

[134660](#)

UniProt ID

[P09211](#)

Chromosome Location

11q13.2

Pathway

Arachidonate Epoxygenase / Epoxide Hydrolase, organism-specific biosystem; Biological oxidations, organism-specific biosystem; Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Drug metabolism - cytochrome

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P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem;

Function

JUN kinase binding; S-nitrosoglutathione binding; dinitrosyl-iron complex binding; drug binding; glutathione binding; glutathione transferase activity; glutathione transferase activity; kinase regulator activity; nitric oxide binding; protein binding; tra

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