

Recombinant Human GSTP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GSTP1-3999H Lot. No. (See product label)

SPECIFICATION

Product Overview

GSTP1 MS Standard C13 and N15-labeled recombinant protein (NP_000843) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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. This GST family member 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.

Molecular Mass


23.3 kDa

AA Sequence

MPPYTVVYFPVRGRCAALRMLLADQGQSWKEEVTVETWQEGSLKASCLYGQLPK
FQDGLTLYQSNTILRHLGRTLGLYGKDQQAALVDMVNDGVEDLRCKYVSLIYTNY
EAGKDDYVKALPGQLKPFETLLSQNQGGKTFIVGDQISFADYNLLDLLLIHEVLAPGC
LDAFPLLSAYVGRLSARPKLKAFLASPEYVNLPIGNGKQTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

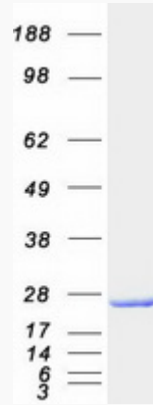
Gene Name	GSTP1 glutathione S-transferase pi 1 [Homo sapiens (human)]
Official Symbol	GSTP1
Synonyms	GSTP1; glutathione S-transferase pi 1; FAEES3, GST3; glutathione S-transferase P; GSTP; GSTP1-1; GST class-pi; deafness, X-linked 7; fatty acid ethyl ester synthase III; PI; DFN7; GST3; FAEES3;
Gene ID	2950
mRNA Refseq	NM_000852
Protein Refseq	NP_000843
MIM	134660
UniProt ID	P09211

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SDS-PAGE



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