

Recombinant Human GSTZ1 Protein, His-tagged

Cat. No. GSTZ1-909H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|---|
| Product Overview | Recombinant Human GSTZ1(Met1-Ala216), transcript variant 3, fused with His tag at C-terminal was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-216 a.a. |
| Description | This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme catalyzes the conversion of maleylacetoacetate to fumarylacetoacetate, which is one of the steps in the phenylalanine/tyrosine degradation pathway. Deficiency of a similar gene in mouse causes oxidative stress. Several transcript variants of this gene encode multiple protein isoforms. |
| Form | 50mM Tris-HCl, 1mM DTT, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions. |
| Molecular Mass | 25.2 kDa |
| Endotoxin | < 0.1 EU per g protein as determined by LAL test |

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Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name [GSTZ1 glutathione transferase zeta 1 \[Homo sapiens \]](#)

Official Symbol [GSTZ1](#)

Synonyms

GSTZ1; glutathione transferase zeta 1; maleylacetoacetate isomerase; GSTZ1 1; MAAI; MAI; maleylacetone isomerase; glutathione S-aryltransferase; glutathione S-alkyltransferase; glutathione S-aralkyltransferase; glutathione s-transferase Zeta 1; S-(hydroxyalkyl)glutathione lyase; GSTZ1-1; MGC2029;

Gene ID [2954](#)

mRNA Refseq [NM_001513](#)

Protein Refseq [NP_001504](#)

MIM [603758](#)

UniProt ID [O43708](#)

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