

Recombinant Human GSTZ1, His-tagged

Cat. No. GSTZ1-27656TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Glutathione Transferase zeta 1 protein with an N terminal His tag. Predicted mwt: 26 kDa;
Species	Human
Source	E.coli
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 also plays a significant role in the catabolism of phenylalanine and tyrosine. Thus defects in this enzyme may lead to severe metabolic disorders including alkaptonuria, phenylketonuria and tyrosinaemia. Several transcript variants of this gene encode multiple protein isoforms.
Conjugation	HIS
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, PBS, pH 7.4
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MQAGKPILYS YFRSSCSWRV RIALALKGID
 YETVPINLIK DGGQQFSKDF QALNPMKQVP TLKIDGITIY QSLAIIEYLE
 ETRPTPRLLP QDPKKRASVR MISDLIAGGI QPLQNLSVLK QVGEEMQLTW
 AQNAITCGFN ALEQILQSTA GIYCVGDEVT MADLCLVPQV ANAERFKVDL
 TPYPTISSIN KRLLVLEAFQ VSHPCRQPDT PTELRA

Full Length Full L.

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;

Gene ID [2954](#)

mRNA Refseq [NM_001513](#)

Protein Refseq [NP_001504](#)

MIM [603758](#)

Uniprot ID [O43708](#)

Chromosome Location 14q24.3

Pathway Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism

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- cytochrome P450, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

glutathione peroxidase activity; glutathione transferase activity; isomerase activity; maleylacetoacetate isomerase activity; maleylacetoacetate isomerase activity;

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