

Recombinant Human GSTZ1 Protein, GST-tagged

Cat. No. GSTZ1-4432H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GSTZ1 full-length ORF (AAH01453, 1 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	49.50 kDa
AA Sequence	MQAGKPILYSYFRSSCSWRVRIALALKGIDYETVPINLIKDGGQQFSKDFQALNPMK QVPTLKIDGITIHQSLAIIIEYLEEMRPTPRLLPQDPKKRASVRMISDLIAGGIQPLQNLS VLKQVGEEMQLTWAQNAITCGFNALEQILQSTAGIYCVGDEVMTADLCLVPQVANA ERFKVDLTPYPTISSINKRLLVLEAFQVSHPCRQPDTPTELRA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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