

Recombinant Human GSTZ1 protein, GST-tagged

Cat. No. GSTZ1-13585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human N-terminal GSTZ1 protein(1-216 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-216 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	MQAGKPILYSYFRSSCSWRVRIALALKGIDYETVPINLIKDGGQQFSKDFQALNPMK QVPTLKIDGITHQSLAIIIEYLEEMRPTPRLLPQDPKKRASVRMISDLIAGGIQPLQNLS VLKQVGEEMQLTWAQNAITCGFNALQILQSTAGIYCVGDEVMTADLCLVPQVANA ERFKVDLTPYPTISSINKRLLVLEAFQVSHPCRQPDTPTELRA
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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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SDS-PAGE



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