

Recombinant Human SHMT2, GST-tagged

Cat. No. SHMT2-2662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SHMT2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-300aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	SHMT2 serine hydroxymethyltransferase 2 (mitochondrial) [Homo sapiens]
Official Symbol	SHMT2
Synonyms	SHMT2; serine hydroxymethyltransferase 2 (mitochondrial); SHMT; serine hydroxymethyltransferase, mitochondrial; GLY A+; serine aldolase; serine methylase; threonine aldolase; serine hydroxymethylase; glycine hydroxymethyltransferase; glycine auxotroph A, human complement for hamster; GLYA;

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Gene ID	6472
mRNA Refseq	NM_001166356
Protein Refseq	NP_001159828
MIM	138450
UniProt ID	P34897
Chromosome Location	12q12-q14
Pathway	C1-unit interconversion, eukaryotes, organism-specific biosystem; C1-unit interconversion, eukaryotes, conserved biosystem; Cyanoamino acid metabolism, organism-specific biosystem; Cyanoamino acid metabolism, conserved biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Glyoxylate and dicarboxylate metabolism, organism-specific biosystem;
Function	L-allo-threonine aldolase activity; amino acid binding; chromatin binding; glycine hydroxymethyltransferase activity; glycine hydroxymethyltransferase activity; identical protein binding; methyltransferase activity; pyridoxal phosphate binding; transferas