

Recombinant Human GSTM4, GST-tagged

Cat. No. GSTM4-13577H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GSTM4 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-218a.a.

Description This gene encodes a member of the GRB2/Sem5/Drk family and functions as a cytoplasmic signaling protein which contains an SH2 domain flanked by two SH3 domains. The SH2 domain interacts with ligand-activated receptors for stem cell factor and erythropoietin, and facilitates the formation of a stable complex with the BCR-ABL oncoprotein. This protein also associates with the Ras guanine nucleotide exchange factor SOS1 (son of sevenless homolog 1) through its N-terminal SH3 domain. In general, it couples signals from receptor and cytoplasmic tyrosine kinases to the Ras signaling pathway.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	GSTM4 glutathione S-transferase mu 4 [Homo sapiens]
Official Symbol	GSTM4
Synonyms	GSTM4; glutathione S-transferase mu 4; glutathione S transferase M4; glutathione S-transferase Mu 4; GST-Mu2; GTS-Mu2; GST class-mu 4; glutathione S-transferase M4; glutathione S-aryltransferase M4; glutathione S-alkyltransferase M4; glutathione S-aralkyltransferase M4; S-(hydroxyalkyl)glutathione lyase M4; GTM4; GSTM4-4; MGC9247; MGC131945;
Gene ID	2948
mRNA Refseq	NM_000850
Protein Refseq	NP_000841
MIM	138333
UniProt ID	Q03013
Chromosome Location	1p13
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolism, organism-specific biosystem;
Function	glutathione transferase activity; transferase activity;

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