

Recombinant Human GSTT1 Protein, GST-tagged

Cat. No. GSTT1-4429H Lot. No. (See product label)

SPECIFICATION

Product Overview Human GSTT1 full-length ORF (AAH07065, 1 a.a. - 240 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source Wheat Germ

Description Glutathione S-transferase (GST) theta 1 (GSTT1) is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2. The GSTT1 and GSTT2 share 55% amino acid sequence identity and both of them were claimed to have an important role in human carcinogenesis. The GSTT1 gene is located approximately 50kb away from the GSTT2 gene. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries. [provided by RefSeq]

Molecular Mass 52.14 kDa

AA Sequence MGLELYLDLLSQPCRAVYIFAKKNDIPFELRIVDLIKGQHLSDACAVNPLKKVPALKD
 GDFTLTSVAILLYLTRKYKVPDYWYPQDLQARARVDEYLAWQHHTTLRRSCLRALW
 HKVMFPVFLGEPVSPQTLAATLAELDVTLQLLEDKFLQNKAFLTGPHISLADLVAITEL
 MHPVGAGCQVFEGRPKLATWRQRVEAAVGEDLFQEAEHEVILKAKDFPPADPTIKQK
 LMPWVLMIR

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) 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	GSTT1 glutathione S-transferase theta 1 [Homo sapiens]
Official Symbol	GSTT1
Synonyms	GSTT1; glutathione S-transferase theta 1; glutathione S-transferase theta-1; GST class-theta-1; glutathione transferase T1-1;
Gene ID	2952
mRNA Refseq	NM_000853
Protein Refseq	NP_000844
MIM	600436
UniProt ID	P30711

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**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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