

Recombinant Human GSTT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GSTT2-5353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GSTT2 MS Standard C13 and N15-labeled recombinant protein (NP_000845) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene, glutathione S-transferase (GST) theta 2 (GSTT2), 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, GSTT2, and GSTT2B. GSTT2 and GSTT2B are nearly identical to each other, and share 55% amino acid identity with GSTT1. All three genes may play a role in human carcinogenesis. The GSTT2 gene is a pseudogene in some populations.
Molecular Mass	27.5 kDa
AA Sequence	MGLELFLDLVSQPSRAVYIFAKKNGIPELRTVDLVKGQHKSKKEFLQINSLGKLPTLK DGDILTTESSAILIYLSCKYQTPDHWYPSDLQARARVHEYLGWHADCIRGTFGIPLWV QVLGPLIGVQVPPEEKVERNRTAMDQALQWLEDKFLGDRPFLAGQQVTLADLMALEE LMQPVALGYELFEGRPRLAAWRGRVEAFLGAELCQEAHSIILSILEQAAKKTLPTPSP EAYQAMLLRIARIPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

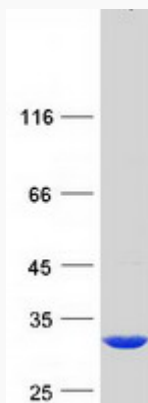
GENE INFORMATION

Gene Name	GSTT2 glutathione S-transferase theta 2 [Homo sapiens (human)]
Official Symbol	GSTT2
Synonyms	GSTT2; glutathione S-transferase theta 2; glutathione S-transferase theta-2; GST class-theta-2; Glutathione S-transferase theta-2B; GSTT2B; MGC182032;
Gene ID	2953
mRNA Refseq	NM_000854
Protein Refseq	NP_000845
MIM	600437
UniProt ID	P0CG29

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SDS-PAGE

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