

# 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

MGLELFLDLVSQPSRAVYIFAKKNGIPELRTVDLVKQHKSKKEFLQINSLGKLP  
 TLKDGDFILTESSAILIYLSCKYQTPDHWYPSDLQARARVHEYLGWHADCIRGTFGIPLWV  
 QVLGPLIGVQVPEEKVERNRTAMDQALQWLEDKFLGDRPFLAGQQVTLADLMALEE  
 LMQPVALGYELFEGRPRLAAWRGRVEAFLGAELCQEAHSIILSILEQAAKKTLP  
 TSPSEAYQAMLLRIARIPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

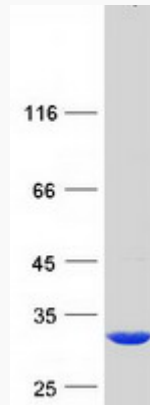
<b>Gene Name</b>	GSTT2 glutathione S-transferase theta 2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	GSTT2
<b>Synonyms</b>	GSTT2; glutathione S-transferase theta 2; glutathione S-transferase theta-2; GST class-theta-2; Glutathione S-transferase theta-2B; GSTT2B; MGC182032;
<b>Gene ID</b>	2953
<b>mRNA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

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**SDS-PAGE**



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