

## Product datasheet for **TP300040M**

### Glutathione S Transferase theta 2 (GSTT2) (NM\_000854) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human glutathione S-transferase theta 2 (GSTT2), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC200040 protein sequence  
Red=Cloning site Green=Tags(s)

MGLELFLDLVSQPSRAVYIFAKKNGIPELRLTVDLVKGQHKSKEFLQINSLGKLPTLKDGFILTESSAI  
LIYLSCKYQTPDHWYPSDLQARARVHEYLGWHADCI RGTFGIPLWVQVLGPLIGVQVPEEKVERNRTAMD  
QALQWLEDKFLGDRPFLAGQQVTLADLMALEELMQPVALGYELFEGRPRLAAWRGRVEAFLGAELCQEAH  
SIILSILEQAAKKTLPSPPEAYQAMLLRIARIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 27.3 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_000845](#)

**Locus ID:** 2953

**UniProt ID:** [P0CG29](#)



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RefSeq Size: 1136

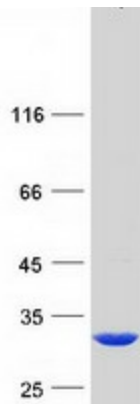
Cytogenetics: 22q11.23

RefSeq ORF: 732

**Summary:** 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. [provided by RefSeq, Sep 2015]

**Protein Pathways:** Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

### Product images:



Coomassie blue staining of purified GSTT2 protein (Cat# [TP300040]). The protein was produced from HEK293T cells transfected with GSTT2 cDNA clone (Cat# [RC200040]) using MegaTran 2.0 (Cat# [TT210002]).