

# Recombinant Human GSTT2 protein, GST-tagged

**Cat. No.** GSTT2-13583H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GSTT2 protein(1-244 aa), fused with N-terminal GST tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 1-244 aa                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | MGLEFLDLVSQPSRAVYIFAKKNGIPLELRTVDLVKGQHKSKKEFLQINSLGKLPTLK<br>DGDILTSSAILIYLSCKYQTPDHWYPSDLQARARVHEYLGWHADCIRGTFGIPLWV<br>QVLGPLIGVQVPEEKVERNRTAMDQALQWLEDKFLGDRPFLAGQQVTLADLMALEE<br>LMQPVALGYELFEGRPRLAAWRGRVEAFLGAELCQEAHSIILSILEQAAKKTLPTPSP<br>EAYQAMLLRIARIP                                                                                                                           |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid                                                                                                                                                                                                                  |

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repeat freeze-thaw cycles.

#### Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

#### Gene Name

GSTT2 glutathione S-transferase theta 2 [ Homo sapiens ]

#### 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

#### SDS-PAGE

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