

## Recombinant Human GSTT2 protein, His & T7-tagged

Cat. No. GSTT2-2665H Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Recombinant Human GSTT2 aa. (Arg15~Ala235 (Accession # P0CG29)) fused with N-terminal His & T7 tag was produced in E. coli cells.  |
| <b>Species</b>          | Human  |
| <b>Source</b>           | E.coli   |
| <b>ProteinLength</b>    | Arg15~Ala235   |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Freeze-dried powder  |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 28.7kDa  |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)   |
| <b>Purity</b>           | >95%   |

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|                       |   |
|-----------------------|---|
| <b>Characteristic</b> | The isoelectric point is 7.2.   |
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP   |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.  |
| <b>Storage buffer</b> | Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.  |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | GSTT2 glutathione S-transferase theta 2 (gene/pseudogene) [ Homo sapiens (human) ]                               |
| <b>Official Symbol</b> | GSTT2  |
| <b>Synonyms</b>        | GSTT2; glutathione S-transferase theta 2 (gene/pseudogene); glutathione S-transferase theta-2; GST class-theta-2 |
| <b>Gene ID</b>         | 2953   |
| <b>mRNA Refseq</b>     | NM_000854.4  |
| <b>Protein Refseq</b>  | NP_000845.2  |

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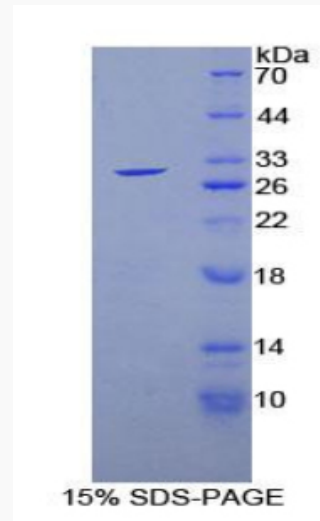
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UniProt ID

P0CG29

SDS-PAGE



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