

## Recombinant Mouse Glutathione S-Transferase theta-2 (Gstt2)

**Cat. No.:** AP4C265

**Product Type:** Animal Proteins

**Size:** 10 µg; 50 µg; 200 µg; 1 mg; 5 mg

### Product Overview

BioVenic's Recombinant Mouse Glutathione S-Transferase theta-2 (Gstt2) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 26.9 kDa. The purity is > 95%.

### Specifications

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| Type                       | Recombinant Protein                                                     |
| Species                    | Mouse                                                                   |
| Expression System          | <i>E.coli</i>                                                           |
| Purity                     | > 95%                                                                   |
| Endotoxin                  | < 1.0 EU/µg                                                             |
| Predicted Molecular Weight | 26.9 kDa                                                                |
| Physical State             | Lyophilized                                                             |
| Formulation                | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |

### Target Information

Mouse Glutathione S-Transferase theta-2 (Gstt2) is a member of the glutathione S-transferase (GST) superfamily, which catalyzes the conjugation of reduced glutathione to various electrophilic and hydrophobic compounds. It plays a crucial role in detoxification processes, protecting cells from oxidative stress and xenobiotics. Gstt2 is involved in the metabolism of endogenous and exogenous compounds, including carcinogens and therapeutic drugs. It has been implicated in cancer progression and drug resistance, with its expression associated with reduced risk in certain cancers like colon cancer and Barrett's esophagus. Gstt2 also modulates immune responses, as seen in its impact on BCG immunotherapy in bladder cancer patients. In mouse models, Gstt2 knockout affects immune cell function and inflammatory responses. Gstt2 is a potential therapeutic target in diseases linked to oxidative stress and cancer.

|                 |                                                 |
|-----------------|-------------------------------------------------|
| Protein         | Mouse Glutathione S-Transferase theta-2 (Gstt2) |
| Protein Synonym | Transferase                                     |
| Gene ID         | <a href="#">14872</a>                           |

## Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -80°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in PBS or others. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.