

# Recombinant Rat gsta1 protein (His tag)

Catalog Number: PDER100080



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

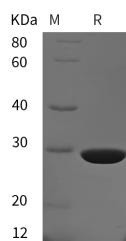
## Description

|                                    |   |
|------------------------------------|---|
| <b>Synonyms</b>                    | Glutathione S alkyltransferase A1;GST class-alpha member 1;GST epsilon;GST HA subunit 1;GST2;GTH1;HA subunit 1;S (hydroxyalkyl)glutathione lyase A1 |
| <b>Species</b>                     | Rat   |
| <b>Expression Host</b>             | E.coli  |
| <b>Sequence</b>                    | Met 1-Phe 222   |
| <b>Accession</b>                   | P00502  |
| <b>Calculated Molecular Weight</b> | 24.3 kDa  |
| <b>Observed molecular weight</b>   | 29 kDa  |
| <b>Tag</b>                         | N-His   |

## Properties

|                       |   |
|-----------------------|---|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Endotoxin</b>      | Please contact us for more information.   |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.   |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.           |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Glutathione S-transferase that catalyzes the nucleophilic attack of the sulfur atom of glutathione on the electrophilic groups of a wide range of exogenous and endogenous compounds (Probable). Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2). Tissue specificity expressed in liver. Homodimer or heterodimer of GSTA1 and GSTA2.

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