

## Recombinant Human GSTP1 Protein (2-210 aa), His-tagged

**Cat. No.** GSTP1-2550H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GSTP1 Protein (2-210 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein. |
| <b>Species</b>          | Human                                                                                                                                                                                                                       |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 2-210 aa                                                                                                                                                                                                                    |
| <b>Description</b>      | Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration.                       |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 25.2 kDa                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | PPYTVVYFPVRGRCAALRMLLADQGQSWKEEVTVETWQEGSLKASCLYGQLPKF<br>QDGDLTLYQSNILRHLGRTLGLYGKDQQAALVDMVNDGVEDLRCKYISLIYTNYE<br>AGKDDYVKALPGQLKPFETLLSQNQGGKTFIVGDQISFADYNLLDLLLIHEVLAPGCL<br>DAFPLLSAYVGRLSARPKLKAFLASPEYVNLPINGNGKQ  |
| <b>Purity</b>           | > 85% as determined by SDS-PAGE.                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                |

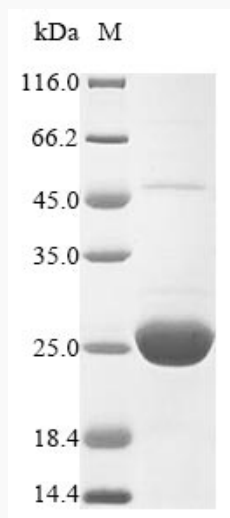
## GENE INFORMATION

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | GSTP1 glutathione S-transferase pi 1 [ Homo sapiens ]                                                  |
| <b>Official Symbol</b> | GSTP1                                                                                                  |
| <b>Synonyms</b>        | GSTP1; FAEES3, GST3; glutathione S-transferase P; GSTP; GSTP1-1; GST class-pi; PI; DFN7; GST3; FAEES3; |
| <b>Gene ID</b>         | 2950                                                                                                   |
| <b>mRNA Refseq</b>     | NM_000852                                                                                              |
| <b>Protein Refseq</b>  | NP_000843                                                                                              |
| <b>MIM</b>             | 134660                                                                                                 |
| <b>UniProt ID</b>      | P09211                                                                                                 |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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