

# Recombinant Rat Glutathione S-transferase alpha-1(Gsta1)

Catalog No: #AP70365

Package Size: #AP70365-1 20ug #AP70365-2 100ug #AP70365-3 1mg

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## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Product Name          | Recombinant Rat Glutathione S-transferase alpha-1(Gsta1)                                                                                                                                                                                                                                                                                                                                        |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:2-222aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                              |
| Other Names           | GST 1-1;GST 1a-1a;GST A1-1;GST B;Glutathione S-transferase Ya-1 ;GST Ya1;Ligandin                                                                                                                                                                                                                                                                                                               |
| Accession No.         | P00502                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 41.5 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                                                                                    |
| Target Sequence       | SGKPVLYHFNARGRMCEIRWLLAAAGVEFDEKFIQSPEDLEKLKKGDNLMFDQVPMVEIDGMKLAQTRAILNYI<br>ATKYDLYGKDMKERALIDMYTEGILDLTEMIMQLVICPPDQKEAKTALAKDRTKNRYLPFAFEKVLKSHGQDYLV<br>GNRLTRVDIHLELLLYVEEFDASLLTSFPLLKAFKSRISLPLNVKKFLQPGSQRKLPVDAKQIEEARKIFKF                                                                                                                                                           |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

## Background

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.

## References

Localization of the C-terminus of rat glutathione S-transferase A1-1 crystal structure of mutants W21F and W21F,F220Y.Adman E.T., Le Trong I., Stenkamp R.E., Nieslanik B.S., Dietze E.C., Tai G., Ibarra C., Atkins W.M.3.0.CO;2-%23>Proteins 42:192-200(2001)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.