

## Glutathione S-Transferase pi 1 Mouse Recombinant

|                                          |                                                                                                                                                                                                                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item Number</b>                       | rAP-2049                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>                          | Glutathione S-transferase P 1, Gst P1, GST YF-YF, GST class-pi, GST-piB, Preadipocyte growth factor.                                                                                                                                                                      |
| <b>Description</b>                       | GSTP1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 233 amino acids (1-210 a.a) and having a molecular mass of 26kDa.                                                                                                   |
| <b>Uniprot Accession Number</b>          | P19157                                                                                                                                                                                                                                                                    |
| <b>Amino Acid Sequence</b>               | MGSSHHHHH SSGLVPRGSH MGSMPPTYIV YFPVRGRCEA MRMLLADQQQ SWKEEVVTID<br>TWMQGLLKPT<br>CLYGQLPKFE DGDLTLYQSN AILRHLGRSL GLYGKNQREA AQMDMVNDGV EDLRGKYVTL<br>IYTNYENGKN<br>DYVKALPGHL KPFETLLSQN QGGKAFIVGD QISFADYNLL                                                          |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                         |
| <b>Physical Appearance and Stability</b> | Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |
| <b>Formulation and Purity</b>            | GSTP1 protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.                                                                                                                             |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                           |
| <b>Solubility</b>                        |                                                                                                                                                                                                                                                                           |
| <b>Biological Activity</b>               | Specific activity is > 40 units/mg, and is defined as the amount of enzyme that conjugate 1.0 umole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25C.                                                                           |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**