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# Mouse recombinant protein GSTM 1

**Mouse Recombinant GSTM 1**
**Catalog # PBV10586r**

## Specification

### Mouse recombinant protein GSTM 1 - Product info

| | |
|---|---|
| Primary Accession | P10649 |
| Concentration | 1 |
| Calculated MW | 25.9 kDa KDa |

### Mouse recombinant protein GSTM 1 - Additional Info

| | |
|---|---|
| Gene ID | 14862 |
| Gene Symbol | GSTM1 |

**Other Names**
Glutathione S-transferase Mu 1, GST class-mu1, GST 1-1, pmGT10.

| | |
|---|---|
| Gene Source | Mouse |
| Source | E. Coli |
| Assay&Purity | SDS-PAGE; ≥95% |
| Assay2&Purity2 | N/A; |
| Recombinant | Yes |
| Sequence | MPMILGYWNV RGLTHPIRML LEYTDSSYDE KRYTMGDAPD FDRSQWLNEK FKLGLDFPNL PYLIDGSHKI TQSNAILRYL ARKHHLDGET EEERIRADIV ENQVMDTRMQ LIMLCYNPDF EKQKPEFLKT IPEKMKLYSE FLGKRPWFAG DKVTYVDFLA YDILDQYRMF EPKCLDAFPN LRDFLARFEG LKKISAYMKS SRYIATPIFS KMAHWSNK |

**Format**
Liquid

**Storage**
-80°C; 1 mg/ml solution in PBS (pH 7.4) containing 5 mM Glutathione

### Mouse recombinant protein GSTM 1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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## Mouse recombinant protein GSTM 1 - Images

## Mouse recombinant protein GSTM 1 - Background

GSTM1 is a glutathione S-transferase that belongs to the mu class. This enzyme acts by catalyzing the reaction of glutathione with an acceptor molecule to form an S-substituted glutathione (S=sulfur). The reactions utilizing glutathione contribute the transformation of a wide variety of electrophiles, including reactive products of lipid, protein, carcinogens, therapeutic drugs, environmental toxins, and products of oxidative stress.

## Mouse recombinant protein GSTM 1 - References

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Townsend A.J.,et al.J. Biol. Chem. 264:21582-21590(1989).
Reinhart J.,et al.Arch. Biochem. Biophys. 303:383-393(1993).
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Pearson W.R.,et al.J. Biol. Chem. 258:2052-2062(1983).