

Mouse recombinant protein GSTMu 1
Mouse Recombinant GSTMu 1
Catalog # PBV10585r**Specification****Mouse recombinant protein GSTMu 1 - Product info**

Primary Accession	P10649
Concentration	1
Calculated MW	28.1 kDa KDa

Mouse recombinant protein GSTMu 1 - Additional Info

Gene ID	14862
Gene Symbol	GSTMu1
Other Names	
GSTM1, 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	MGSSHHHHHH SSGLVPRGSH MPMILGYWNV RGLTHPIRML LEYTDSSYDE KRYTMGDAPD FDRSQWLNEK FKLGLDFPNL PYLIDGSHKI TQSNAILRYL ARKHHL DGET EEERIRADIV ENQVMDTRMQ LIMLCYNPDF EKQKPEFLKT IPEKMKLYSE FLGKRPWFAG DKVTYVDFLA YDILDQYRMF EPKCLDAFPN LRDFLARFEG LKKISAYMKS SRYIATPIFS KMAHWSNK

Format
Liquid**Storage**
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, and 10% glycerol.**Mouse recombinant protein GSTMu 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 Cytometry](#)
- [Cell Culture](#)

Mouse recombinant protein GSTMu 1 - Images**Mouse recombinant protein GSTMu 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 GSTMu 1 - References

Pearson W.R.,et al.J. Biol. Chem. 263:13324-13332(1988).
Townsend A.J.,et al.J. Biol. Chem. 264:21582-21590(1989).
Reinhart J.,et al.Arch. Biochem. Biophys. 303:383-393(1993).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Pearson W.R.,et al.J. Biol. Chem. 258:2052-2062(1983).