

Glutathione S-Transferase M1 Mouse Recombinant, His Tag

Item Number	rAP-1978
Synonyms	GST1, GTH4, GTM1, GSTM1-1, MGC26563, GSTM1a-1a, GSTM1b-1b, GSTM1, Glutathione S-transferase Mu 1, GST class-mu 1, Glutathione S-transferase GT8.7, pmGT10, GST 1-1.
Description	GSTM1 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 238 amino acids (1-218 a.a.) and having a molecular mass of 28.1kDa. The GTM1 is fused to a 20 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P10649
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPMILGYWNV RGLTHPIRML LEYTDSSYDE KRYTMGDAPD FDRSQWLNEK FKLGLDFPNL PYLIDGSHKI TQSNAILRYL ARKHHLDGET EEERIRADIV ENQVMD- TRMQ LIMLCYNPDF EKQKPEFLKT IPEKMKLYSE FLGKRPWFAG DKVTVYVDFLA YDILDQYRMF EPKCLDAFPN LRDFLARFEG LKKISAYMKS SRYIATPIFS KMAHWSNK.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	The GSTM1 solution contains 20 mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is < 11 units/mg, and is defined as the amount of enzyme that conjugate 1.0 u mole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25C.
Shipping Format and Condition	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**