

Glutathione S-Transferase MU 2 Human Recombinant

Item Number	rAP-1922
Synonyms	Glutathione S-transferase Mu 2, GST class-mu 2, GSTM2-2, GSTM2, GST4, GSTM, GTHMUS, MGC117303.
Description	GSTM2 Human Recombinant fused with a 20 amino acid His tag at N-terminus 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 27.9kDa. The GSTM2 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P28161
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MPMTLGYWNI RGLAHSIRLL LEYTDSSYEE KKYTMGDAPD YDRSQWLNEK FKLGLDFPNL PYLIDGTHKI TQSNAILRYI ARKHNLCGES EKEQIREDIL ENQFMDSRMQ LAKLCYDPDF EKLKPEYLQA LPEMLKLYSQ FLGKQPWFLG DKITFVDFIA YDVLERNQVF EP-SCLDAFPN LKDFISRFEG LEKISAYMKS SRFLPRPVFT KMAVWGNK.
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 GSTM2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.1M NaCl and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is \geq 25 units/mg, and is defined as the amount of enzyme that conjugate 1.0 μ mole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25°C.
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**