

Mouse GSTM1 Recombinant Protein



RPPB1764

Product Information Protein Information

Product SKU:

RPPB1764

Accession:

P10649

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered colorless solution.

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.

Formulation:

The GSTM1 solution contains 20 mM Tris-HCl buffer (pH8.0), 1mM DTT and 10% glycerol

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MPMILGYWNV RGLTHPIRML LEYTDSSYDE KRYTMGDAPD FDRSQWLNEK
FKLGLDFPNL PYLIDGSHKI TQSNAILRYL ARKHHL DGET EEERIRADIV ENQVMDTRMQ LIMLCYNPDF
EKQKPEFLKT IPEKMKLYSE FLGKRPWFAG DKVTYVDFLA YDILDQYRMF EPKCLDAFPN LRDFLARFEG
LKKISAYMKS SRYIATPIFS KMAHWSNK.

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.