

Human GSTM5 Recombinant Protein



RPPB1769

Product Information Protein Information

Product SKU:

RPPB1769

Accession:

P46439

Host:

E.coli.

Protein description:

GSTM5 Human Recombinant produced in E. coli is a single polypeptide chain containing 242 amino acids (1-218) and having a molecular mass of 28.2 kDa. GSTM5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Glutathione S-transferase mu 5, GSTM5-5, GST class-mu 5, GTM5, glutathione S-alkyltransferase M5, S-(hydroxyalkyl) glutathione lyase M5, EC 2.5.1.18.

Formulation:

The GSTM5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

Purity:

Greater than 95% 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 MGSHPMTLG YWDIRGLAHA IRLLEYTDS SYVEKKYTLG DAPDYDRSQW
LNEFKLGLD FPNLPYLIDG AHKITQSNAI LRYIARKHNL CGETEEKIR VDILENQVMD NHMELVRLCY
DPDFEKLKPK YLEELPEKPK LYSEFLGKRP WFAGDKITFV DFLAYDVLDL KRIFEPKCLD AFLNLKDFIS
RFEGKKISA YMKSSQFLRG LLFGKSATWN SK.

Biological Activity:

Specific activity is > 90,000 pmol/min/ug, 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.