

AR50421PU-S

Human GSTM5 (1-218, His-tag) - Purified

Alternate names:

GST class-mu 5, GSTM5-5, Glutathione S-transferase Mu 5

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Glutathione S-transferase mu 5, also known as GSTM5, is member of the glutathione s-transferase (GST) family of proteins. There are eight families of GST proteins, namely alpha, kappa, mu, omega, pi, sigma, theta and zeta, each of which is composed of proteins that have a variety of functions throughout the cell. GSTM5 plays an important role in detoxification.

Uniprot ID:

[P46439](#)

NCBI:

[NP_000842](#)

GeneID:

[2949](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human GSTM5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSHPMTLG YWDIRGLAHA IRLLEYTDS SYVEKKYTLG
DAPDYDRSQW LNEFKLGLD FPNLPYLIDG AHKITQSNAI LRYIARKHNL CGETEEEEKIR
VDILENQVMD NHMELVRLCY DPDFEKLKPK YLEELPEKLE LYSEFLGKRP WFAGDKITFV
DFLAYDVLDL KRIFEPKCLD AFLNLKDFIS RFEGLKKISA YMKSSQFLRG LLFGKSATWN SK

Molecular weight: 28.2 kDa (242aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Wang Y., et al. (2009) J Hum Genet. 54(5):271-6. Hayes JD., et al. (1995) Crit Rev Biochem Mol Biol. 30(6): 445-600.

Pictures:

