

GSTM5, human recombinant protein
Glutathione S-transferase mu 5, GST5, GSTM5-5
Catalog # PBV11361r**Specification**

GSTM5, human recombinant protein - Product info

Primary Accession	P46439
Concentration	1
Calculated MW	28.2 kDa (242 aa, 1-218 aa + His Tag) KDa

GSTM5, human recombinant protein - Additional Info

Gene ID	2949
Gene Symbol	GSTM5
Other Names	
Glutathione S-transferase mu 5, GST5, GSTM5-5	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity > 40 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMPMTLG YWDIRGLAHA IRLLEYTDS SYVEKKYTLG DAPDYDRSQW LNEFKLGLD FPNLPYLIDG AHKITQSNAL LRYIARKHNL CGETEEEEKIR VDILENQVMD NHMELVRLCY DPDFEKLKPK YLEELPEKLG LYSEFLGKRP WFAGDKITFV DFLAYDVLDL KRIFEPKCLD AFLNLKDFIS RFEGLLKKISA YMKSSQFLRG LLFGKSATWN SK

Target/Specificity
GSTM5**Format**
Liquid**Storage**
-20°C; 1 mg/ml solution 20 mM Tris-HCl buffer, pH 8.0, 10% glycerol, 1 mM DTT and 100 mM NaCl.**GSTM5, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

GSTM5, human recombinant protein - References

Takahashi Y.,et al.J. Biol. Chem. 268:8893-8898(1993).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Patskovsky Y.V.,et al.Biochemistry 38:16187-16194(1999).