

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

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**GSTM5, human recombinant protein - Product info**

|                   |                                           |
|-------------------|-------------------------------------------|
| Primary Accession | <a href="#">P46439</a>                    |
| 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                                                                                                                                                                                                                                                                                              |
| <b>Other Names</b>                            |                                                                                                                                                                                                                                                                                                    |
| 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<br>MGSHMPMTLG YWDIRGLAHA IRLLEYTDS<br>SYVEKKYTLG DAPDYDRSQW LNEFKLGLD<br>FPNLPYLIDG AHKITQSNAL LRYIARKHNL<br>CGETEEEEKIR VDILENQVMD NHMELVRLCY<br>DPDFEKLKPK YLEELPEKPK LYSEFLGKRP<br>WFAGDKITFV DFLAYDVLDL KRIFEPKCLD<br>AFLNLKDFIS RFEGCLKKISA YMKSSQFLRG<br>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).