

GSTM3, human recombinant protein
Glutathione S-transferase mu 3, GST5, GSTB, GSTM3-3, GTM3
Catalog # PBV11360r**Specification**

GSTM3, human recombinant protein - Product info

Primary Accession	P21266
Concentration	1
Calculated MW	29.1 kDa (249 aa, 1-225 aa) KDa

GSTM3, human recombinant protein - Additional Info

Gene ID	2947
Gene Symbol	GSTM3
Other Names	
Glutathione S-transferase mu 3, GST5, GSTB, GSTM3-3, GTM3	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity > 4.7 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMSCCESS MVLGYWDIRG LAHAIRLLLE FTDTSYEEKR YTCGEAPDYD RSQWLDVKFK LDLDFPNLPY LLDGKNKITQ SNAILRYIAR KHNMCGETEE EKIRVDIEN QVMDFRTQLI RLCYSSDHEK LKPQYLEELP GQLKQFSMFL GKFSWFAGEK LTFVDFTLYD ILDQNRIFDP KCLDEFPNLK AFMCRFEALE KIAAYLQSDQ FCKMPINNKM AQWGNKPVC

Target/Specificity
GSTM3**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.**GSTM3, 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](#)

GSTM3, human recombinant protein - Images

GSTM3, human recombinant protein - Background

Glutathione S-transferase mu 3, also known as GSTM3, 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. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. Recombinant human GSTM3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

GSTM3, human recombinant protein - References

Campbell E.,et al.J. Biol. Chem. 265:9188-9193(1990).
Patskovsky Y.V.,et al.Arch. Biochem. Biophys. 361:85-93(1999).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ross V.L.,et al.Biochem. J. 294:373-380(1993).
Hussey A.J.,et al.Biochim. Biophys. Acta 1203:131-141(1993).