

Human recombinant protein GSTM 2
Human Recombinant GSTM 2
Catalog # PBV10587r**Specification**

Human recombinant protein GSTM 2 - Product info

Primary Accession	P28161
Concentration	0.5
Calculated MW	27.9 kDa KDa

Human recombinant protein GSTM 2 - Additional Info

Gene ID	2946
Gene Symbol	GSTM2
Other Names	
Glutathione S-transferase Mu 2, GST4, GSTM, GSTM2-2, GTHMUS.	

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Sequence	MGSSHHHHHH SSGLVPRGSH MPMTLGYNW RGLAHSIRLL LEYTDSSYEE KKYTMGDAPD YDRSQWLNEK FKLGLDFPNL PYLIDGTHKI TQSNAILRYI ARKHNLCGES EKEQIREDEL ENQFMDSRMQ LAKLCYDPDF EKLKPEYLQA LPEMLKLYSQ FLGKQPWFLG DKITFVDFIA YDVLERNQVF EPSCLDAFPN LKDFISRFEG LEKISAYMKS SRFLRPVFT KMAVWGNK

Format
Liquid**Storage**
-80°C; 0.5 mg/ml solution in 20 mM Tris HCl (pH 8.0) containing 10% glycerol, 0.1 M NaCl and 1 mM DTT.**Human recombinant protein GSTM 2 - 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](#)

Human recombinant protein GSTM 2 - Images

Human recombinant protein GSTM 2 - Background

Glutathione S-transferase Mu 2 (GSTM2) belongs to the Glutathione S-Transferase (GST) family of proteins. There are 8 families of GST proteins: alpha, kappa, mu, omega, pi, sigma, theta and zeta, each of which is composed of proteins that have various 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. The genes encoding the mu class of enzymes are structured in a gene cluster on chromosome 1p13.3 and are proven to be highly polymorphic. These genetic variants can change an individual's susceptibility to carcinogens and toxins as well as have an effect on the toxicity and efficacy of several drugs.

Human recombinant protein GSTM 2 - References

Vorachek W.R.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:4443-4447(1991).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kalnina N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).
Ross V.L.,et al.Biochem. J. 294:373-380(1993).