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Product datasheet for TP502448

Gstm4 (NM_001160411) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glutathione S-transferase, mu 4 (Gstm4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202448 protein sequence Red=Cloning site Green=Tags(s) MPMTLGYWDIRGLAHAIRLLLEYTGSSYEEKRYTMGDAPDYDRSQWLSEKFKLGLDFPNLPYLIDGSHKI TQSNAILRYIARKHNLCGETEEEKIRVDILENQAMDVSNQLARVCYSPDFEKLKVEYLEQLPGMVKLFSQ FLGQRTWFVGEKITFVDFLAYDILDLHLIFEPTCLDAFPNLKDFVARFEVLKRISAYMKTSRFLRTPLYT KVATWGNK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001153883
Locus ID:	14865
UniProt ID:	A2AE91
RefSeq Size:	1479

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Cytogenetics:	3 F2.3
RefSeq ORF:	657
Synonyms:	1110004G14Rik; Gstb-4; Gstb4; GSTM7-7
Summary:	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4. Can also catalyzes the transfer of a glutathionyl group from glutathione (GSH) to 13(S),14(S)-epoxy-docosahexaenoic acid to form maresin conjugate in tissue regeneration 1 (MCTR1), a bioactive lipid mediator that possess potent anti-inflammatory and proresolving actions.[UniProtKB/Swiss-Prot Function]

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