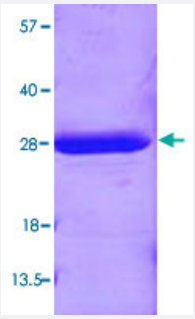
Bioactive Full-Length

Gstm1 (Mouse) Recombinant Protein

Catalog # P4334 Size 100 ug

Applications



Specification

Product Description	Mouse Gstm1 (NP_034488, 1 a.a. - 218 a.a.) full-length recombinant protein expressed in *Escherichia coli*.
Sequence	MPMILGYWNVRGLTHPIRMLLEYTDSSYDEKRYTMGDAPDFDRSQWLNEKFKLGLDFPNLPYLID GSHKITQSNAILRYLARKHHLDGETEEERIRADIVENQVMDTRMQLIMLCYNPDFEKQKPEFLKTIPE KMKLYSEFLGKRPWFAGDKVTYVDFLAYDILDQYRMFEPKCLDAFPNLRDFLARFEGLKKISAYM KSSRYIATPIFSKMAHWSNK
Host	Escherichia coli
Theoretical MW (kDa)	25.9
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1.0 EU per 1 microgram of protein

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Activity	Specific activity is 3 units/mg, and is defined as the amount of enzyme that conjugate 1.0 umole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25°C.
Quality Control Testing	15% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In PBS, pH 7.4 (5 mM glutathione).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — Gstm1

Entrez GeneID	14862
Protein Accession#	NP_034488
Gene Name	Gstm1
Gene Alias	Gstb-1, Gstb1
Gene Description	glutathione S-transferase, mu 1
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTMUSP00000007628|glutathione S-transferase mu 1|glutathione-S-transferase, mu 1

Publication Reference

- A comparative map of macroautophagy and mitophagy in the vertebrate eye.

  Thomas G McWilliams, Alan R Prescott, Beatriz Villarejo-Zori, Graeme Ball, Patricia Boya, Ian G Ganley

  Autophagy 2019 Jul; 15(7):1296-1308.

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