

Recombinant Human GSTM2 protein, His-tagged

Cat. No. GSTM2-2522H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTM2 (Met 1-Lys 218) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met 1-Lys 218
Predicted N Terminal	Met
Form	Lyophilized from sterile 50mM Tris, 150mM NaCl, 10mM CaCl ₂ , 0.05% Brig-35, pH 7.51. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
Molecular Mass	The recombinant human GSTM2 consisting of 229 amino acids and has a calculated molecular mass of 27.2 kDa. It migrates as a 27 kDa band in SDS-PAGE under reducing conditions as predicted.
Purity	>97 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is

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recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

Shipping

In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name

GSTM2 glutathione S-transferase mu 2 (muscle) [Homo sapiens]

Official Symbol

GSTM2

Synonyms

GSTM2; glutathione S-transferase mu 2 (muscle); glutathione S transferase M2 (muscle); glutathione S-transferase Mu 2; GST4; GST, muscle; GST class-mu 2; glutathione S-transferase 4; glutathione S-transferase M1; glutathione S-aryltransferase M2; glutathione S-alkyltransferase M2; glutathione S-aralkyltransferase M2; S-(hydroxyalkyl)glutathione lyase M2; glutathione S-transferase M2 (muscle); GSTM; GTHMUS; GSTM2-2; MGC117303;

Gene ID

2946

mRNA Refseq

NM_000848

Protein Refseq

NP_000839

MIM

138380

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UniProt ID	P28161
Chromosome Location	1p13.3
Pathway	Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem; Metabolism of xenobiotics by cytochrome P450, conserved biosystem;
Function	glutathione transferase activity; transferase activity;

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