

GSTM2 Protein, Human (His)

Cat. No.:	HY-P75152
Synonyms:	Glutathione S-transferase Mu 2; GST class-mu 2; GSTM2-2; GST4
Species:	Human
Source:	E. coli
Accession:	P28161 (M1-K218)
Gene ID:	2946
Molecular Weight:	Approximately 27 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM Tris, 150 mM NaCl, 10 mM CaCl ₂ , 0.05% Brig-35, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	The GSTM2 protein plays a pivotal role in the cellular process of conjugating reduced glutathione to a diverse range of exogenous and endogenous hydrophobic electrophiles. Additionally, GSTM2 actively participates in the synthesis of novel hepoxilin regioisomers, as documented in studies. This highlights the multifunctional nature of GSTM2, emphasizing its involvement in the detoxification pathway and the formation of unique molecular species, contributing to the broader cellular response to various electrophilic compounds.
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Caution: Product has not been fully validated for medical applications. For research use only.

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