

GSTM5 Protein, Human (N-His)

Cat. No.:	HY-P75801
Synonyms:	Glutathione S-transferase Mu 5; GST class-mu 5; GSTM5-5; GSTM5
Species:	Human
Source:	E. coli
Accession:	P46439 (M1-K218)
Gene ID:	2949
Molecular Weight:	Approximately 27 kDa

PROPERTIES

AA Sequence	<pre> M P M T L G Y W D I R G L A H A I R L L L E Y T D S S Y V E K K Y T L G D A P D Y D R S Q W L N E K F K L G L D F P N L P Y L I D G A H K I T Q S N A I L R Y I A R K H N L C G E T E E E K I R V D I L E N Q V M D N H M E L V R L C Y D P D F E K L K P K Y L E E L P E K L K L Y S E F L G K R P W F A G D K I T F V D F L A Y D V L D M K R I F E P K C L D A F L N L K D F I S R F E G L K K I S A Y M K S S Q F L R G L L F G K S A T W N S K </pre>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCl, 300 mM NaCl, 5% trehalose, 5% mannitol and 0.01% Tween80, pH 7.4 or PBS, pH 7.4.
Endotoxin Level	Data is not available.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	GSTM5 protein plays a pivotal role in the cellular process of conjugating reduced glutathione to a broad spectrum of hydrophobic electrophiles, both originating from the cellular environment and generated endogenously. This enzymatic activity is fundamental for the detoxification and elimination of various harmful compounds within the cell, showcasing the essential role of GSTM5 in maintaining cellular homeostasis and protecting against potential toxic insults.
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Caution: Product has not been fully validated for medical applications. For research use only.

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