

GSTT2B Protein, Human (HEK293, His)

Cat. No.:	HY-P75802
Synonyms:	Glutathione S-transferase theta-2B; GST class-theta-2; GSTT2B; GSTT2
Species:	Human
Source:	HEK293
Accession:	P0CG29 (M1-P244)
Gene ID:	653689
Molecular Weight:	Approximately 29 kDa

PROPERTIES

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 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/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	GSTT2B protein plays a crucial role in the conjugation of reduced glutathione to a diverse array of hydrophobic electrophiles, both exogenous and endogenous. This enzymatic activity is vital for the detoxification process within cells. Additionally, GSTT2B exhibits sulfatase activity, further contributing to its multifunctional role in cellular processes. The combined activities of glutathione conjugation and sulfatase function highlight the versatility of GSTT2B in handling various substrates and underline its significance in cellular detoxification mechanisms.
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Caution: Product has not been fully validated for medical applications. For research use only.

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