GSTK1 Protein, Human

Cat. No.:	HY-P75800
Synonyms:	Glutathione S-transferase kappa 1; GST 13-13; GSTK1-1; Glutathione S-transferase subunit 13
Species:	Human
Source:	E. coli
Accession:	Q9Y2Q3 (G2-L226)
Gene ID:	373156
Molecular Weight:	Approximately 25 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, 10% Glycerol, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	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	GSTK1 (Glutathione S-transferase kappa 1) is an enzyme that belongs to the glutathione S-transferase family and is involved in the catalysis of glutathione conjugation to both exogenous and endogenous compounds. Its significant glutathione conjugating activity is particularly notable with the model substrate 1-chloro-2,4-dinitrobenzene (CDNB). This enzymatic activity suggests a role for GSTK1 in detoxification processes, where it facilitates the conjugation of glutathione to various xenobiotic and endogenous compounds, aiding in their elimination from the cell.

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