

Recombinant Human GSTK1

Cat. No. GSTK1-29087TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Glutathione S Transferase kappa 1; amino acids 1-226 ; predicted mwt: 26 kDa.
Species	Human
Source	E.coli
ProteinLength	1-226 a.a.
Description	This gene encodes a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification. The encoded protein is localized to the peroxisome and catalyzes the conjugation of glutathione to a wide range of hydrophobic substrates facilitating the removal of these compounds from cells. Alternative splicing results in multiple transcript variants.
Tissue specificity	Ubiquitous.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids	MGPLPRTVEL FYDVLSPYSW LGFEILCRYQ NIWNINLQLR PSLITGIMKD SGNKPPGLLP RKGLYMANDL KLLRHHLQIP IHFPKDFLSV MLEKGSLSAM RFLTAVNLEH PEMLEKASRE LWMRVWSRNE DITEPQSILA AAEKAGMSAE QAQGLLEKIA TPKVKNLKE TTEAACRYGA FGLPITVAHV DGQTHMLFGS DRMELLAHLL GEKWMGPIPP AVNARL
Sequence Similarities	Belongs to the GST superfamily. Kappa family.
Full Length	Full L.
GENE INFORMATION	
Gene Name	GSTK1 glutathione S-transferase kappa 1 [Homo sapiens]
Official Symbol	GSTK1
Synonyms	GSTK1; glutathione S-transferase kappa 1; GST13;
Gene ID	373156
mRNA Refseq	NM_001143679
Protein Refseq	NP_001137151
MIM	602321
Uniprot ID	Q9Y2Q3
Chromosome Location	7q34

Pathway	Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolism of xenobiotics by cytochrome P450, organism-specific biosystem;
Function	glutathione transferase activity; protein disulfide oxidoreductase activity; transferase activity;

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