

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 substates 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: None Constituents: 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 TPKVKNQLKE 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

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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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