

Recombinant Human GSTK1 protein, His & T7-tagged

Cat. No. GSTK1-1489H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTK1 aa. (Thr7~Val222 (Accession # Q9Y2Q3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr7~Val222
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.2kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 7.9.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

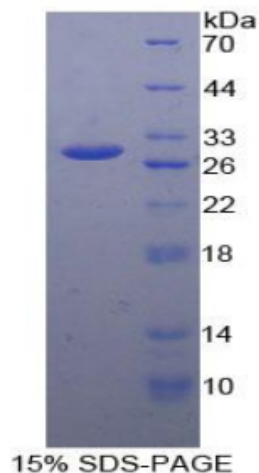
Gene Name	GSTK1 glutathione S-transferase kappa 1 [Homo sapiens (human)]
Official Symbol	GSTK1
Synonyms	GST; GST13; hGSTK1; GSTK1-1; GST13-13; GST 13-13; GST class-kappa; glutathione S-transferase k1; glutathione S-transferase subunit 13 homolog; glutathione S-transferase kappa 1
Gene ID	373156
mRNA Refseq	NM_001143679.1
Protein Refseq	NP_001137151.1
UniProt ID	Q9Y2Q3

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SDS-PAGE



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