

Recombinant Human GSTCD, His-tagged

Cat. No. GSTCD-13573H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTCD protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	Glutathione peroxidase catalyzes the reduction of hydrogen peroxide, organic hydroperoxide, and lipid peroxides by reduced glutathione and functions in the protection of cells against oxidative damage. Human plasma glutathione peroxidase has been shown to be a selenium-containing enzyme and the UGA codon is translated into a selenocysteine. Through alternative splicing and transcription initiation, rat produces proteins that localize to the nucleus, mitochondrion, and cytoplasm. In humans, experimental evidence for alternative splicing exists; alternative transcription initiation and the cleavage sites of the mitochondrial and nuclear transit peptides need to be experimentally verified.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

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GENE INFORMATION

Gene Name	GSTCD glutathione S-transferase, C-terminal domain containing [Homo sapiens]
Official Symbol	GSTCD
Synonyms	GSTCD; glutathione S-transferase, C-terminal domain containing; Glutathione S transferase, C terminal domain containing; glutathione S-transferase C-terminal domain-containing protein; FLJ13273; DKFZp686I10174;
Gene ID	79807
mRNA Refseq	NM_001031720
Protein Refseq	NP_001026890
UniProt ID	Q8NEC7
Chromosome Location	4q24
Function	molecular_function;

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