Recombinant Human GGCT Protein, His-tagged

Cat. No. GGCT-307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GGCT(Met1-Leu188) fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-188 a.a.
Description	The protein encoded by tHis gene catalyzes the formation of 5-oxoproline from gamma-glutamyl dipeptides, the penultimate step in glutathione catabolism, and may play a critical role in glutathione homeostasis. The encoded protein may also play a role in cell proliferation, and the expression of tHis gene is a potential marker for cancer. Pseudogenes of tHis gene are located on the long arm of chromosome 5 and the short arm of chromosomes 2 and 20. Alternatively spliced transcript variants encoding multiple isoforms have been observed for tHis gene.
Form	20mM Tris-HCl, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	23.2 kDa
Endotoxin	< 0.1 EU per μg protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	GGCT gamma-glutamylcyclotransferase [Homo sapiens]
Official Symbol	GGCT
Synonyms	GGCT; gamma-glutamylcyclotransferase; C7orf24, chromosome 7 open reading frame 24 , GCTG; CRF21; Ggc; MGC3077; cytochrome c-releasing factor 21; gamma -glutamyl cyclotransferase; GGC; GCTG; C7orf24; FLJ11717;
Gene ID	79017
mRNA Refseq	NM_001199815
Protein Refseq	NP_001186744
MIM	137170
UniProt ID	O75223

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