Recombinant Human GGCT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GGCT-5520H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GGCT MS Standard C13 and N15-labeled recombinant protein (NP_076956) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	21 kDa
AA Sequence	MANSGCKDVTGPDEESFLYFAYGSNLLTERIHLRNPSAAFFCVARLQDFKLDFGNS QGKTSQTWHGGIATIFQSPGDEVWGVVWKMNKSNLNSLDEQEGVKSGMYVVIEVK VATQEGKEITCRSYLMTNYESAPPSPQYKKIICMGAKENGLPLEYQEKLKAIEPNDYT GKVSEEIEDIIKKGETQTLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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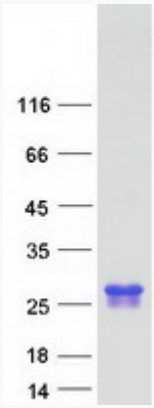
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	GGCT gamma-glutamylcyclotransferase [Homo sapiens (human)]
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_024051
Protein Refseq	NP_076956
MIM	137170
UniProt ID	O75223

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SDS-PAGE



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