

Product information



GGCT, 1-188 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0887

Full name: Gamma-glutamylcyclotransferase.

NCBI Accession No.: NP_076956

Synonyms: C7orf24, CRF21, FLJ11717, GCTG, Ggc, MGC3077.

Description: GGCT, also known as gamma-glutamylcyclotransferase, belongs to the family of transferases, specifically the aminoacyltransferases. This protein catalyzes the formation of 5-oxoproline from gamma-glutamyl dipeptides and may play a significant role in glutathione homeostasis. GGCT induces release of cytochrome c from mitochondria with resultant induction of apoptosis. Recombinant human GGCT protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol.</p> <p>Molecular Weight: 23.2 kDa (208aa), confirmed by MALDI-TOF</p> <p>Purity: > 95 % by SDS – PAGE</p> <p>Concentration: 1 mg/ml (determined by BCA assay)</p>	<p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> SSSLVPRGSH MANSGCKDVT GPDEESFLYF AYGSNLLTER IHLRNPSAAF FCVARLQDFK LDFGNSQGKT SQTWHGGIAT IFQSPGDEVW GVVWKMNKSN LNSLDEQEGV KSGMYVVIEV KVATQEGKEI TCRSYLMTNY ESAPPSPQYK KIICMGAKEN GLPLEYQEKL KAIEPNDYTG KVSEEIEDII KKGETQTL</p>	

General references:

Masuda Y., *et al.* (2006) *Biochem Biophys Res Commun.* 346(2):454-60.

Oakley AJ., *et al.* (2008) *J Biol Chem.* 283(32):22031-42.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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