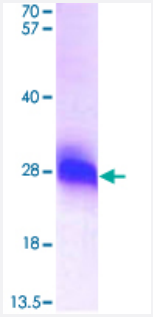
Full-Length

GGCT (Human) Recombinant Protein

Catalog # P3420 Size 100 ug

Applications



Specification

Product Description	Human GGCT (NP_076956, 1 a.a. - 188 a.a.) full-length recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMANSGCKDVTGPDEESFLYFAYGSNLLTERIHLRNPSAAFFCVA RLQDFKLDFGNSQGKTSQTWHGGIATIFQSPGDEVWGVVWKMNKSNLNSLDEQEGVKSGMYVV IEVKVATQEGKEITCRSYLMTNYESAPPSPQYKKIICMGAKENGLPLEYQEKLKAIEPNDYTGKVSE EIEDIIKKGETQTL
Host	Escherichia coli
Theoretical MW (kDa)	23.2
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE

Storage Buffer	In 20 mM Tris-HCl buffer, pH 8.0 (10% glycerol).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — GGCT

Entrez GeneID	79017
Protein Accession#	NP_076956
Gene Name	GGCT
Gene Alias	C7orf24, CRF21, FLJ11717, GCTG, Ggc, MGC3077
Gene Description	gamma-glutamyl cyclotransferase
Gene Ontology	Hyperlink
Gene Summary	GGCT (EC 2.3.2.4) catalyzes the formation of 5-oxoproline (pyroglutamic acid) from gamma-glutamyl dipeptides and may play a significant role in glutathione homeostasis (Oakley et al., 2008 [PubMed 18515354]).[supplied by OMIM
Other Designations	cytochrome c-releasing factor 21|gamma -glutamyl cyclotransferase

Pathway

- Glutathione metabolism

Disease

- Birth Weight
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma

- Leukemia
- Meningeal Neoplasms
- Meningioma