

GGCT Human

Description: GGCT produced in E.Coli is a single, non-glycosylated polypeptide chain containing 208 amino acids (1-188a.a.) and having a molecular mass of 23.2kDa. GGCT is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-069

For research use only.

Synonyms: Gamma-Glutamylcyclotransferase, CRF21, C7orf24, MGC3077, Cytochrome c-releasing factor 21, GCTG, Ggc, Chromosome 7 open reading frame 24, FLJ11717, EC 2.3.2.4.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSHMANS GCKDVT GPDEESFLYF
AYGSNLLTER IHLRNPSAAF FCVARLQDFK LDFGNSQGKT SQTWHGGIAT IFQSPGDEVW
GVVWKMKNKS LNSLDEQEGV KSGMYVVEIV KVATQEGKEI TCRSYLMTNY ESAPPSPQYK
KIICMGAKEN GLPLEYQEKL KAIEPNDYTG KVSEEIEDII KKGETQTL

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:

The GGCT protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

GGCT is a member of the family of transferases, specifically the aminoacyltransferases. GGCT protein catalyzes the formation of 5-oxoproline from gamma-glutamyl dipeptides and takes an important part in glutathione homeostasis. GGCT induces release of cytochrome c from mitochondria with resultant induction of apoptosis.

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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