

GGCT, 1-188aa, Human, His tag, E.coli

Cat.NO.: TP02235

3th Edition

Synonyms:Gamma-glutamylcyclotransferase, 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.

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol.

Molecular Weight:23.2 kDa (208aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMANSGCKDVTGPDEESFLYFAYGSNLLTERIHLRNPSAAFFCVARLQDFKLDFGN
SQGKTSQTWHGGIATIFQSPGDEVWGVVWKMNSNLNSLDEQEGVKSGMYVIEVKVATQEGKEITCRSYLMTNY
ESAPPSPQYKKIICMGAKENGLPLEYQEKLKAIEPNDYTGKVSEEIEDIIKKGETQTL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.