Recombinant Human GGCT

Catalog No: C214

Description	Recombinant Human gamma-Glutamylcyclotransferase is produced by our E.coli expression system and the target gene encoding Met1-Leu188 is expressed with a 6His tag at the N-terminus.
Source	E.coli
Alternative name	Gamma-Glutamylcyclotransferase; Cytochrome C-Releasing Factor 21; GGCT; C7orf24; CRF21
Accession No.	O75223
Formulation	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl, pH 8.0.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze---thaw cycles.
Amino Acid Sequence	MGSSHHHHHHSSGLVPRGSHMANSGCKDVTGPDEESFLYFAYGSNLLTERIHLRNPSAAFFCVARLQ DFKLDFGNSQGKTSQ TWHGGIATIFQSPGDEVWGVVWKMNKSNLNSLDEQEGVKSGMYVVIEVKVATQEGKEITCRSYLMTN YESAPPSPQYKKIIC MGAKENGLPLEYQEKLKAIEPNDYTGKVSEEIEDIIKKGETQTL
Background	Human Y-Glutamylcyclotransferase belongs to the Transferases family, specifically the Aminoacyltransferase. Gamma-Glutamylcyclotransferase catalyzes the formation of 5-Pxoproline from Gamma-Glutamyl Dipeptides. It plays an important role in Glutathione Homeostasis. Gamma-Glutamylcyclotransferase induces the release of Cytochrome C from the mitochondria resulting in the induction of apoptosis.

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