

Recombinant Mouse QPCT Protein Product Manual

1. Product Basic Information

Product No.: REP07980

Protein Name: Glutamyl Cyclase (QPCT)

Aliases: EC; QC; GCT; sQC; glutamyl cyclase; glutaminyl cyclase; glutaminyl-tRNA cyclotransferase; glutaminyl-peptide cyclotransferase

UniProt ID: Q16769

UniProt Link: <https://www.uniprot.org/uniprotkb/Q16769/entry>

Species Source: Mus musculus (Mouse)

Expression System: Mammalian cell

Protein Length: Full Length of Mature Protein (36-362aa)

Molecular Weight: 41.6kDa

Protein Tag: N-terminal 6xHis-Myc-tagged

2. Amino Acid Sequence (36-362aa)

AWTQEKNHHQPAHLNSSSLQQVAEGTISEMWQNDLRPLLIERYPGSPGSYSARQ
HIMQRIQRLQAEWVVEVDTFLSRTPYGYRSFSNIISTLNPEAKRHLVLACHYDSKYF
PRWDSRVFVGATDSAVPCAMMLELARALDKKLHSLKDVSGSKPDLSLRLIFFDGEE
AFHHWSPQDSLYGSRHLAQKMASSPHPPGSRGTNQLDGMDLLVLLDLIGAANPTF
PNFFPKTTRWFNRLQAIEKELYELGLLKDHSLERKYFQNFQYGNIIQDDHIPFLRKGV
PVLHLIASPFPEVWHTMDDNEENLHASTIDNLNKIIQVFVLEYLHL

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse QPCT full length of mature protein protein (36-362aa) expressed in Mammalian cell. The protein is with 6xHis-Myc tag at the N-terminus, which facilitates protein purification, detection and identification. QPCT, also known as EC or QC or GCT, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.