

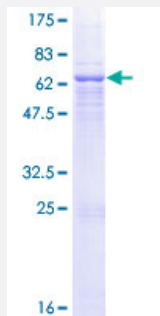
Full-Length

QPCT (Human) Recombinant Protein (P01)

Catalog # H00025797-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human QPCT full-length ORF (NP_036545.1, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGGRHRRVVGTLHLLLVAALPWASRGVSPSASAWPEEKNYHQPAILNSSALRQIAEGTSISEM
WQNDLQPLLIERYPGSPGSYAARQHIMQRIQLQADWVLEIDTFLSQTPYGYRSFSNIISTLNPTAKR
HLVLACHYDSKYFSHWNNRVFVGATDSAVPCAMMLELARALDKLLSLKTVSDSKPDLSLQLIFF
DGEEAFLHWSPQDSL YGSRHLAAKMASTPHPPGARGTSQLHGMDLLVLLDLIGAPNPTFPNFFP
NSARWFERLQAEHELHELGLLKDHSLEGRYFQNYSYGGVIQDDHIPFLRRGVPVLHLIPSPFPEV
WHTMDDNEENLDESTIDNLNKILQVFVLEYLHL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.3

Interspecies Antigen Sequence

Mouse (82); Rat (69)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — QPCT

Entrez GeneID[25797](#)**GeneBank Accession#**[NM_012413.3](#)**Protein Accession#**[NP_036545.1](#)**Gene Name**

QPCT

Gene Alias

GCT, QC

Gene Description

glutaminyl-peptide cyclotransferase

Omim ID[607065](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes human pituitary glutaminyl cyclase, which is responsible for the presence of pyroglutamyl residues in many neuroendocrine peptides. The amino acid sequence of this enzyme is 86% identical to that of bovine glutaminyl cyclase. [provided by RefSeq]

Other Designations

glutaminyl cyclase

Disease

- [Genetic Predisposition to Disease](#)

- [Hypertension](#)
- [Osteoporosis](#)