

Glutaminyl-peptide cyclotransferase (QPCT) Recombinant Protein | QPCT recombinant protein

Recombinant Human Glutaminyl-peptide cyclotransferase (QPCT)

CATALOG # AAA18799	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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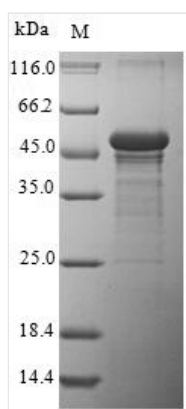
PRODUCT SYNONYMS

Glutaminyl-peptide cyclotransferase (QPCT); Recombinant Human Glutaminyl-peptide cyclotransferase (QPCT); Glutaminyl cyclase; QC; sQC; Glutaminyl-tRNA cyclotransferase; Glutamyl cyclase; EC; QPCT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	29-361aa; Full Length of Mature Protein
Sequence	VSPSASAWPE EKNYHQPAIL NSSALRQIAE GTSISEMWQN DLQPLLIERY PGSPGSYAAR QHIMQRIQRL QADWVLEIDT FLSQTPYGYR SFSNIISTLN PTAKRHLVLA CHYDSKYFSH WNNRVFVGAT DSAVPCAMML ELARALDKKL LSLKTVSDSK PDLSQLIFF DGEEAFLHWS PQDSLYGSRH LAAKMASTPH PPGARGTSQL HGMDLLVLLD LIGAPNPTFP NFFPNSARWF ERLQAIEHEL HELGLLDKHS LEGRYFQNY S YGGVIQDDHI PFLRRGVPVL HLIPSPFPEV WHTMDDNEEN LDESTIDNLN KILQVFVLEY LHL
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for QPCT recombinant protein

Responsible for the biosynthesis of pyroglutamyl peptides. Has a bias against acidic and tryptophan residues adjacent to the N-terminal glutaminyl residue and a lack of importance of chain length after the second residue. Also catalyzes N-terminal pyroglutamate formation. In vitro, catalyzes pyroglutamate formation of N-terminally truncated form of APP amyloid-beta peptides [Glu-3]-beta-amyloid. May be involved in the N-terminal pyroglutamate formation of several amyloid-related plaque-forming peptides.

Product Categories/Family for QPCT recombinant protein	Neuroscience
References	Molecular cloning, sequence analysis and expression of human pituitary glutaminyl cyclase.Song I., Chuang C.Z., Bateman R.C. Jr.J. Mol. 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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912618
NCBI GeneID	25797
NCBI Accession #	NP_036545.1

NCBI GenBank Nucleotide #	NM_012413.3
UniProt Accession #	Q16769 ; Q16770 ; Q3KRG6 ; Q53TR4
Molecular Weight	53.9 kDa
NCBI Official Full Name	glutaminy-peptide cyclotransferase
NCBI Official Synonym Full Names	glutaminy-peptide cyclotransferase
NCBI Official Symbol	QPCT
NCBI Official Synonym Symbols	QC; GCT; sQC
NCBI Protein Information	glutaminy-peptide cyclotransferase
UniProt Protein Name	Glutaminy-peptide cyclotransferase
UniProt Gene Name	QPCT
UniProt Synonym Gene Names	QC; sQC; EC
UniProt Entry Name	QPCT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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