



# Recombinant Human Glutaminyl-peptide cyclotransferase (QPCT)

<b>Product Code</b>	CSB-EP019135HU-B
<b>Abbreviation</b>	QPCT
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q16769
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	VS PSASAWPEEK NYHQPAILNS SALRQIAEGT SISEMWQNDL QPLLIERYPG SPGSYAARQH IMQRIQRLQA DWVLEIDTFL SQTPYGYRSF SNIISTLNPT AKRHLVLACH YDSKYFSHWN NRVFVGATDS AVPCAMMLEL ARALDKKLLS LKTVSDSKPD LSLQLIFFDG EEAFLHWSPQ DSLYGSRHLLA AKMASTPHPP GARGTSQLHG MDLLVLLDLI GAPNPTFPNF FPNSARWFER LQAIEHELHE LGLLKDHSLE GRYFQNYSYG GVIQDDHIPF LRRGVPVLHL IPSPFPEVWH TMDDNEENLD ESTIDNLNKI LQVFVLEYLH L
<b>Source</b>	E.coli
<b>Target Names</b>	QPCT
<b>Protein Names</b>	Recommended name: Glutaminyl-peptide cyclotransferase EC= 2.3.2.5 Alternative name(s): Glutaminyl cyclase Short name= QC Short name= sQC Glutaminyl-tRNA cyclotransferase Glutamyl cyclase Short name= EC
<b>Expression Region</b>	29-361
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

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