



# Recombinant Human Glutaminyl-peptide cyclotransferase (QPCT)

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|--------------------------|---|
| <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.<br>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<br>QPLLIERYPG SPGSYAARQH IMQRIQRLQA DWVLEIDTFL SQTPYGYRSF<br>SNIISTLNPT AKRHLVLACH YDSKYFSHWN NRVFVGATDS AVPCAMMLEL<br>ARALDKKLLS LKTVSDSKPD LSLQLIFFDG EEAFLHWSPQ DSLYGSRHLA<br>AKMASTPHPP GARGTSQLHG MDLLVLLDLI GAPNPTFPNF FPNSARWFER<br>LQAIEHELHE LGLLKDHSLE GRYFQNYSYG GVIQDDHIPF LRRGVPVLHL<br>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<br>Alternative name(s): Glutaminyl cyclase Short name= QC Short name= sQC<br>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. |



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