



Recombinant Human Glutaminyl-peptide cyclotransferase (QPCT)

Product Code	CSB-EP019135HU
Relevance	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.
Abbreviation	Recombinant Human QPCT protein
Storage	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.
Uniprot No.	Q16769
Alias	Glutaminyl cyclase ;QC ;sQC Glutaminyl-tRNA cyclotransferase Glutaminyl cyclase ;EC
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	VSPSASAWPEEKNYHQPAILNSSALRQIAEGTSISEMWQNDLQPLLIERYPGS PGSYAARQHIMQRIQRLQADWVLEIDTFLSQTPYGYRSFSNIISTLNPTAKRHL VLACHYDSKYFSHWNNRVFVGATDSAVPCAMMLELARALDKLLSLKTVSDS KPDLSLQLIFFDGEEAFLHWSPQDSLYGSRHLAAKMASTPHPPGARGTSQLH GMDLLVLLDLIGAPNPTFPNFFPN SARWFERLQAIEHELHELGLLKDHSLEGRY FQNYSYGGVIQDDHIPFLRRGVPVLHLIPSPFPEVWHTMDDNEENLDESTIDNL NKILQVFVLEYLHL
Research Area	Neuroscience
Source	E.coli
Target Names	QPCT
Expression Region	29-361aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	53.9kDa
Protein Length	Full Length of Mature Protein



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