

QPCT elisa kit

Human QPCT ELISA Kit

CATALOG #
AAA125380

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

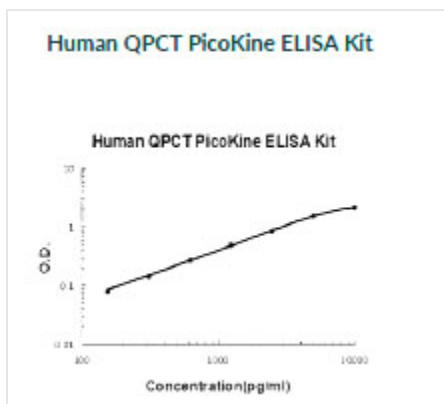
PRODUCT SYNONYMS

QPCT; Human QPCT ELISA Kit; Human QPCT; Glutaminy-peptide cyclotransferase; Glutaminy cyclase; QC; Sqc; Glutaminy-tRNA cyclotransferase; Glutamyl cyclase; EC; QPCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human QPCT
Sequence Length	361
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for QPCT elisa kit	Principle of the Assay: The Picokine™ Human QPCT Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human QPCT with a 96-well strip plate that is pre-coated with antibody specific for QPCT. The detection antibody is a biotinylated antibody specific for QPCT. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated monoclonal antibody from goat. The kit contains recombinant Human QPCT with immunogen: Expression system for standard: NSO, Immunogen sequence: V29-L361. The kit is analytically validated with ready to use reagents. To measure Human QPCT, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human QPCT in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human QPCT in the sample. F!!Background/Introduction: GlutaminyI-peptide cyclotransferase is an enzyme that in humans is encoded by the QPCT gene. It is mapped to 2p22.2. This gene encodes human pituitary glutaminyI 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 glutaminyI cyclase.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912618
NCBI GeneID	25797
NCBI Accession #	NP_036545.1
NCBI GenBank Nucleotide #	NP_036545.1
UniProt Accession #	Q16769
NCBI Official Full Name	glutaminyI-peptide cyclotransferase
NCBI Official Synonym Full Names	glutaminyI-peptide cyclotransferase
NCBI Official Symbol	QPCT
NCBI Official Synonym Symbols	QC; GCT; sQC
NCBI Protein Information	glutaminyI-peptide cyclotransferase
UniProt Protein Name	GlutaminyI-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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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/qpct/125380>