

Human Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) ELISA Kit | UQCRC2 elisa kit

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CATALOG # AAA68748	REACTIVITY Human
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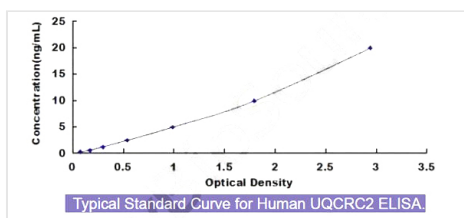
PRODUCT SYNONYMS

Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2); Human Ubiquinol Cytochrome C Reductase Core Protein II (UQCRC2) ELISA Kit; QCR2; UQCR2; Cytochrome b-c1 complex subunit 2; mitochondrial; Complex III subunit 2; Core protein II; UQCRC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of UQCRC2. No significant cross-reactivity or interference between UQCRC2 and analogues was observed.
Sequence Length	453
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.131ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UQCRC2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level UQCRC2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UQCRC2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UQCRC2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UQCRC2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain UQCRC2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of UQCRC2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of UQCRC2 in human tissue homogenates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	50592988
NCBI GeneID	7385
NCBI Accession #	NP_003357.2
NCBI GenBank Nucleotide #	NM_003366.3
UniProt Accession #	P22695; Q9BQ05; B3KSN4
Molecular Weight	48,443 Da
NCBI Official Full Name	cytochrome b-c1 complex subunit 2, mitochondrial
NCBI Official Synonym Full Names	ubiquinol-cytochrome c reductase core protein 2
NCBI Official Symbol	UQCRC2
NCBI Official Synonym Symbols	QCR2; UQCR2; MC3DN5
NCBI Protein Information	cytochrome b-c1 complex subunit 2, mitochondrial
UniProt Protein Name	Cytochrome b-c1 complex subunit 2, mitochondrial
UniProt Gene Name	UQCRC2

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/ubiquinol-cytochrome-c-reductase-core-protein-ii-uqcrc2/68748>