

Human 5-Demethoxyubiquinone Hydroxylase, Mitochondrial, COQ7 ELISA Kit | COQ7 elisa kit

Human 5-Demethoxyubiquinone Hydroxylase, Mitochondrial, COQ7 Primacu ELISA Kit

CATALOG #
AAA124241

REACTIVITY
Human

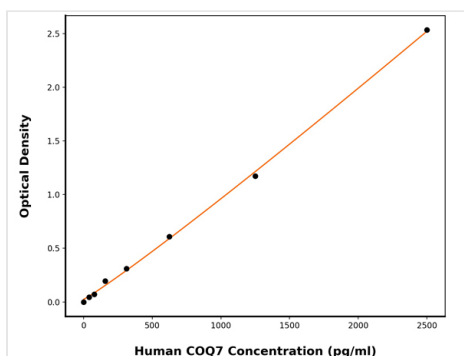
PRODUCT SYNONYMS

5-Demethoxyubiquinone Hydroxylase; Mitochondrial; COQ7; Human 5-Demethoxyubiquinone Hydroxylase; COQ7 Primacu ELISA Kit; 5-demethoxyubiquinone hydroxylase; mitochondrial; COQ7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	39.06-2500pg/mL
Sensitivity	14.26pg/mL
Standard Solution	25ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for COQ7 elisa kit	Ubiquinone biosynthesis protein COQ7 homolog, also known as Coenzyme Q biosynthesis protein 7 homolog, Timing protein clk-1 homolog and COQ7, is a mitochondrion inner membrane and peripheral membrane protein which belongs to theCOQ7 family. It is expressed dominantly in heart and skeletal muscle. COQ7 is synthesized as a preprotein that is imported into the mitochondrial matrix, where the sequence is cleaved off and the mature protein becomes loosely associated with the inner membrane. This enzyme is responsible for the hydroxylation of 5-demethoxyubiquinone to 5-hydroxyubiquinone. Human COQ7 protein is mostly helical, and contains an alpha-helical membrane insertion. It has a potential N-glycosylation site, a phosphorylation site for protein kinase C and another for casein kinase II, and three N-myristoylation sites. COQ7 is involved in lifespan determination in ubiquinone-independent manner. It is also involved in ubiquinone biosynthesis. COQ7 is potential central metabolic regulator.
Product Categories/Family for COQ7 elisa kit	Primacu ELISA Kit; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033465
NCBI GeneID	10229
UniProt Accession #	Q99807; Q9BTT7; Q9H0T5; Q9UEW5; Q9UNR5; B2RDA9
Molecular Weight	217
NCBI Official Full Name	Ubiquinone biosynthesis protein COQ7 homolog
NCBI Official Synonym Full Names	coenzyme Q7 homolog, ubiquinone (yeast)
NCBI Official Symbol	COQ7
NCBI Official Synonym Symbols	CAT5; CLK1; CLK-1
NCBI Protein Information	ubiquinone biosynthesis protein COQ7 homolog; placental protein KG-20; timing protein clk-1 homolog; COQ7 coenzyme Q, 7 homolog ubiquinone; coenzyme Q biosynthesis protein 7 homolog
UniProt Protein Name	Ubiquinone biosynthesis protein COQ7 homolog
UniProt Gene Name	COQ7
UniProt Entry Name	COQ7_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/5-demethoxyubiquinone-hydroxylase-mitochondrial-coq7/124241>