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Datasheet for ABIN7319290 Coq7 Protein (His tag)

Overview

Quantity:	50 µg
Target:	Coq7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Coq7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human COQ7 Protein (His Tag)
Sequence:	Ser37-Leu217
Characteristics:	Recombinant Human 5-demethoxyubiquinone hydroxylase, mitochondrial is produced by our Mammalian expression system and the target gene encoding Ser37-Leu217 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Coq7
Alternative Name:	COQ7 (Coq7 Products)
Background:	Background: Ubiquinone Biosynthesis Protein COQ7 Homolog (COQ7) is a mitochondrion inner membrane and peripheral membrane protein which belongs to the COQ7 family. It is expressed

Target Details

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. COQ7 is involved in lifespan determination in ubiquinone-independent manner and also involved in ubiquinone biosynthesis. COQ7 is potential central metabolic regulator. Human COQ7 protein contains 179 amino acids, is mostly helical, and contains an alpha-helical membrane insertion. It has been shown that mutations in the gene are associated with increased life span. Defects of the gene slow down a variety of developmental and physiological processes, including the cell cycle, embryogenesis, post-embryonic growth, rhythmic behaviors and aging.

Synonym: Ubiquinone Biosynthesis Protein COQ7 Homolog, Coenzyme Q Biosynthesis Protein 7 Homolog, Timing Protein Clk-1 Homolog, COQ7,CAT5,CLK-1,CLK1

Molecular Weight: 21.3 kDa

UniProt: [Q99807](#)

Pathways: [Tube Formation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.