Recombinant Human Ubiquinol-Cytochrome C Reductase Core Protein II, T7-tagged

Cat. No. UQCRC2-3008H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UQCRC2 protein was expressed in E.coli with T7-tag at the N-terminus. The molecular weight is 48443 Da(453 aa).
Species	Human
Source	E.coli
Description	Ubiquinol-cytochrome c reductase core protein II is a protein that in humans is encoded by the UQCRC2 gene. Its gene product is a subunit of the respiratory chain protein Ubiquinol Cytochrome c Reductase (UQCR, Complex III or Cytochrome bc1 complex), which consists of the products of one mitochondrially encoded gene, MTCYTB (mitochondrial cytochrome b) and ten nuclear genes: UQCRC1, UQCRC2, Cytochrome c1, UQCRFS1 (Rieske protein), UQCRB, "11kDa protein", UQCRH (cyt c1 Hinge protein), Rieske Protein presequence, "cyt. c1 associated protein", and "Rieske-associated protein".
Sequences of amino acids	1-453 aa
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN3.
Purity	95%

GENE INFORMATION

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Gene Name	UQCRC2 ubiquinol-cytochrome c reductase core protein II [Homo sapiens]
Synonyms	QCR2; UQCR2; cytochrome b-c1 complex subunit 2, mitochondrial; core protein II; complex III subunit 2; ubiquinol-cytochrome-c reductase complex core protein 2
Gene ID	7385
mRNA Refseq	NM_003366
Protein Refseq	NP_003357
MIM	191329
UniProt ID	P22695
Chromosome Location	16p12
Pathway	Alzheimer"s disease; Cardiac muscle contraction; Huntington"s disease; Metabolic pathways; Oxidative phosphorylation; Parkinson"s disease; Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins
Function	catalytic activity; metal ion binding; metalloendopeptidase activity; protein binding; protein complex binding; zinc ion binding

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