

Recombinant Human UQCRQ protein, His-tagged

Cat. No. UQCRQ-2323H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UQCRQ(1-82aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-82 a.a.
Description	uQCRQ is a ubiquinone-binding protein of low molecular mass. This protein is a small core-associated protein and a subunit of ubiquinol-cytochrome c reductase complex III, which is part of the mitochondrial respiratory chain.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea
Molecular Mass	12.3 kDa (105aa)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSMGREFGN LTRMRHVISY SLSPFEQRAY PHVFTKGIPN VLRRIRESFF RVVPQFVVFY LIYTWGTEEFERSKRKNPAA YENDK
Purity	> 85% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

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Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name UQCRQ ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa [Homo sapiens]

Official Symbol UQCRQ

Synonyms UQCRQ; ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa; cytochrome b-c1 complex subunit 8; complex III subunit 8; QCR8; QP C; ubiquinol cytochrome c reductase; complex III subunit VII; UQCR7; complex III subunit VIII; low molecular mass ubiquinone-binding protein (9.5kD); ubiquinol-cytochrome c reductase complex 9.5 kDa protein; ubiquinol-cytochrome c reductase complex ubiquinone-binding protein QP-C; QPC; QP-C;

Gene ID 27089

mRNA Refseq NM_014402

Protein Refseq NP_055217

MIM 612080

UniProt ID O14949

Chromosome Location 5q31.1

Pathway Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle

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contraction, conserved biosystem; Cytochrome bc1 complex, organism-specific biosystem; Cytochrome bc1 complex, conserved biosystem; Electron Transport Chain, organism-specific biosystem;

Function

ubiquinol-cytochrome-c reductase activity;

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