

Recombinant Human ubiquinol-cytochrome c reductase core protein I, His-tagged

Cat. No. UQCRC1-497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UQCRC1, 35-480aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	35-480 a.a.
Description	<p>UQCRC1 is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This protein may mediate formation of the complex between cytochromes c and c1. Recombinant human UQCRC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.</p>
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	51.8kDa (471aa)
AA Sequence	<p>MGSSHHHHHH SGLVPRGSH MGSEFTATFA QALQFVPETQ VSLLDNGLRV ASEQSSQPTC TVGVWIDVGS RFETEKNGA GYFLEHLAFK GTKNRPGSAL EKEVESMGAH LNAVSTREHT AYYIKALSKD LPKAVELLGD IVQNCSEDS QIEKERDVL REMQENDASM RDVVFNYLHA TAFQGTPLAQ AVEGPSENV KLSRADLTEY LSTHYKAPRM VLAAAGGVEH QQLDLAQKH LGGIPWTYAE DAVPTLTPCR FTGSEIRHRD DALPFAHVAI AVEGPGWASP DNVALQVANA</p>

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IIGHYDCTYG GGVHLSSPLA SGAVANKLCQ SFQTFSICYA ETGLLGAHFV
 CDRMKIDDMM FVLQGQWMRL CTSATESEVA RGKNILRNAL VSHLDGTPPV
 CEDIGRSLLT YGRRIPLAEW ESRIAEDVAS VVREICSKYI YDQCPAVAGY
 GPIEQLPDYN RIRSGMFWLR F

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [UQCRC1 ubiquinol-cytochrome c reductase core protein I \[Homo sapiens \]](#)

Official Symbol UQCRC1

Synonyms UQCRC1; ubiquinol-cytochrome c reductase core protein I; cytochrome b-c1 complex subunit 1, mitochondrial; D3S3191; QCR1; UQCR1; core protein I; complex III subunit 1; ubiquinol-cytochrome-c reductase complex core protein 1;

Gene ID [7384](#)

mRNA Refseq [NM_003365](#)

Protein Refseq [NP_003356](#)

MIM [191328](#)

UniProt ID [P31930](#)

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Chromosome Location	3p21
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Cytochrome bc1 complex, organism-specific biosystem; Cytochrome bc1 complex, conserved biosystem; Electron Transport Chain, organism-specific biosystem;
Function	catalytic activity; metal ion binding; metalloendopeptidase activity; protein complex binding; ubiquinol-cytochrome-c reductase activity; zinc ion binding;

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