

Recombinant Human UQCRC1, His-tagged

Cat. No. UQCRC1-5098H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UQCRC1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	51.8kDa (471aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFTATFA QALQFVPETQ VSLLDNGLRV ASEQSSQPTC TVGVWIDVGS RFETEKNGA GYFLEHLAFK GTKNRPGSAL EKEVESMGAA LNAYSTREHT AYYIKALSKD LPKAVELLGD IVQNCSLEDS QIEKERDVL REMQENDASM RDVVFNYLHA TAFQGTPLAQ AVEGPSENVK KLSRADLTEY LSTHYKAPRM VLAAAGGVEH QQLDLAQKH LGGIPWTYAE DAVPTLTPCR FTGSEIRHRD DALPFAHVAI AVEGPGWASP DNVALQVANA IIGHYDCTYG GGVHLSSPLA SGAVANKLCQ SFQTFSICYA ETGLLGAHFV CDRMKIDDM FVLQGQWMRL CTSATESEVA RGKNILRNAL VSHLDGTTTPV CEDIGRSLT YGRRIPLAEW ESRIAEVDAS VVREICSKYI YDQCPAVAGY GPIEQLPDYN RIRSGMFWLR F

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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
Chromosome Location	3p21

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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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