

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	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.
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 IVQNCSEDS QIEKERDVL REMQENDASM RDVVFNYLHA TAFQGTPLAQ AVEGPSENV KLSRADLTEY LSTHYKAPRM VLAAAGGVEH QQLDLAQKH LGGIPWTYAE DAVPTLTPCR FTGSEIRHRD DALPFAHVAI AVEGPGWASP DNVALQVANA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IIGHYDCTYG GGVHLSSPLA SGAVANKLCQ SFQTFSCICYA ETGLLGAHFV
 CDRMKIDDMM FVLQGQWMRL CTSATESEVA RGKNILRNAL VSHLDGTTTPV
 CEDIGRSLLT YGRRIPLAEW ESRIAEVDAS 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;