

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

Cat. No. UQCRC2-7158H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human UQCRC2 protein, fused to His-tag at N-terminus, was expressed in E. coli. MW: 49 kDa.
Species	Human
Source	E.coli
ProteinLength	15-453aa
Description	Cytochrome b-c1 complex subunit 2, mitochondrial, also known as UQCRC2, belongs to the peptidase M16 family. This protein is a component of the ubiquinol-cytochrome c reductase complex (complex III), which is part of the mitochondrial respiratory chain. UQCRC2 is required for the assembly of the complex.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 10% glycerol, 0.1M NaCl.
Molecular Mass	49 kDa (460aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSLKVAPKVK ATAAPAGAPP QPQDLEFTKL PGLVIASLE NYSPVSRIGL FIKAGSRYED FSNLGTTHLL RLTSLLTTKG ASSFKITRGI EAVGGKLSVT ATRENMAYTV ECLRGDVDIL MEFLNVTTA PEFRRWEVAD LQPQLKIDKA VAFQNPQTHV IENLHAAAYR NALANPLYCP DYRIGKVTSE ELHYFVQNHF TSARMALIGL GVSHPLKQV AEQFLNMRGG

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LGLSGAKANY RGGEIREQNG DSLVHAAFVA ESAVAGSAEA NAFSVLQHVL
 GAGPHVKRGS NTTSHLHQAV AKATQQPFDV SAFNASYSDS GLFGIYTISQ
 ATAAGDVIKA AYNQVKTIAQ GNLSNTDVQA AKNKLGAGYL MSVESSECFL
 EEVGSQALVA GSYMPSTVL QQIDSVANAD IINAAKKFVS GQKSMAASGN
 LGHTPFVDEL

Purity >85% by SDS - PAGE

Applications SDS-PAGE

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

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name UQCRC2 ubiquinol-cytochrome c reductase core protein II [Homo sapiens]

Official Symbol UQCRC2

Synonyms UQCRC2; ubiquinol-cytochrome c reductase core protein II; cytochrome b-c1 complex subunit 2, mitochondrial; QCR2; UQCR2; 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

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MIM	191329
UniProt ID	P22695
Chromosome Location	16p12
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; zinc ion binding;

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