

Product datasheet for SC108564

UQCRH (NM_006004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UQCRH (NM_006004) Human Untagged Clone
Tag:	Tag Free
Symbol:	UQCRH
Synonyms:	QCR6; UQCR8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108564 sequence for NM_006004 edited (data generated by NextGen Sequencing)

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ATGGGACTGGAGGACGAGCAAAAGATGCTTACCGAATCCGGAGATCCTGAGGAGGAGGAA
GAGGAAGAGGAGGAATTAGTGGATCCCCTAACACAGTGAGAGAGCAATGCGAGCAGTTG
GAGAAATGTGTAAGGCCGGGAGCGGCTAGAGCTCTGTGATGAGCGTGTATCCTCTCGA
TCACATACAGAAGAGGATTGCACGGAGGAGCTCTTTGACTTCTTGCATGCGAGGGACCAT
TGCGTGGCCACAACTCTTTAACAACTTGAATAA
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Clone variation with respect to NM_006004.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_006004 unedited
GGTGCANAAATTTGTAATACGACTCACTATAGGGGCGGCCGATTTCGGCAGGAGGGGT
TAGGTGCCGCTGTTGCTGCTCGTGTGAATCTAGAACCGTAGCCAGACATGGGACTGGAG
GACGAGCAAAAGATGCTTACCGAATCCGGAGATCCTGAGGAGGAGGAAGAGGAAGAGGAG
GAATTAGTGGATCCCCTAACACAGTGAGAGAGCAATGCGAGCAGTTGGAGAAATGTGTA
AAGGCCCGGGAGCGGCTAGAGCTCTGTGATGAGCGTGTATCCTCTCGATCACATACAGAA
GAGGATTGCACGGAGGAGCTCTTTGACTTCTTGCATGCGAGGGACCATTGCGTGGCCAC
AAACTCTTTAACAACTTGAATAAATGTGTGGACTTAATTCACCCAGTCTTCATCATCT
GGGCATCAGAATATTTCCCTATGGTTTTGGATGTACCATTTGTTTCTATTTGTGTAAC
GTAAGTTCACATGAACCTCATGGGTTTGGCTTAGGCTGGTAGCTTCTATGTAATTCGCAA
TGATTCCATCTAAATAAAAGTTCTATGATCTGCAAAAAAAAAAAAAAAAAAAGTCTGACTCT
AGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACC
CCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGGCACTCCAGTGCCACCCAGCCTTGTC
TATTAATAAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATATATTATGGGGTG
GAGGAGGGTGCGTTGGCACCAGCGGCCAGTTGGAAAAACCTCGCAGGCCTGCGGGGCC
TATTGGCAACCAGCCTGAATGCAGTGGCACAACCTTGGCTTCTGTATCCCCCTTCTG
GGTCCAAGCGATCTTCTGCTC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006004 unedited TTCTCTGCCACCGCGGCCGCAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTGCAGAAA TAGAACTTTTATTTAGATGGAATCATTGCGAATTACATAGAAGCTACCAGCCTAAGCCAA ACCCATGAGGTTTCATGTGAACCTACAGTTACACAAATAAGAAACAAATGGTACATCCAAA ACCATAAGGAAATATTCTGATGCCCAGATGATGAAGACTGGGGTGAATTAAGTCCACACA TTTATTTCAAGTTGTTAAAGAGTTTGTGGGCCACGCAATGGTCCCTCGCATGCAAGAAGT CAAAGAGCTTCTCCGTGCAATCCTCTTTTGTATGTGATCGAGAGGATACACGCTCATCAC AGAGCTTAGCCGCTCCCGGGCCCTTACACATTTCTTCAACTGCTCGCATTGCTCTCTCA CTGTTGTTAGGGGATCCACTAATCCCTCCTTTTCTCTTCTCCTCCTCCTTAGGATTCCGG ATTCCGCAAGCATCTTTTCTCGCTCTCCAGTCCCATGTCTGGCCACGGTCTATACTCA ACACGATCAGCAACAGTGGCACCTAATCCCCTCGTGCCGAATCTCCGGCCCGCTATAGC GAGCCGATTATCAATTCTGACGGTCACTAAACGAGCTCTGTTATATAGACCTCCCA CCGCACACCCGTATCGCCATTCTCGTCCACCGGCGTGGGGCTATCACCACATCCGGCA AGCCCCGCGCTTTTGGCCCTCAACACACCCTCATTGTGCTCATGGGCTGTCCCATT GTAACCCCTTGAATTCACACCCTCTCCGCCCCTTGC GCGATGCCTAACCTCTCCC CCGTACATACCTTGACACCCTTTTATGTCCGCTCCTTTTAAGATTCTTAGGCTGC CCTGCCTAATCGCCGCGCATTTTTCCCCTCTTTGCCCCACCCGCGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_006004
Insert Size:	550 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_006004.1 , NP_005995.1
RefSeq Size:	515 bp
RefSeq ORF:	276 bp
Locus ID:	7388
UniProt ID:	P07919
Cytogenetics:	1p33
Domains:	UCR_hinge
Protein Families:	Druggable Genome

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Gene Summary: This 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.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longest isoform (1).