

Product datasheet for **SC118013**

Ubiquinol Cytochrome C Reductase Core Protein I (UQCRC1) (NM_003365) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ubiquinol Cytochrome C Reductase Core Protein I (UQCRC1) (NM_003365) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ubiquinol Cytochrome C Reductase Core Protein I
Synonyms:	D3S3191; QCR1; UQCR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118013 sequence for NM_003365 edited (data generated by NextGen Sequencing)

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ATGGCGGCGTCCGTGGTCTGTCCGGCCGCTACCGCCGGGGCACAAGTGCTATTGCGCGCC
CGCCGCTCGCCGGCCCTGCTGCGGACGCCAGCCTTGGGGAGTACGGCAACCTTCGCTCAG
GCGCTCCAGTTCGTGCCGGAGACGCAGGTTAGCCTGCTGGACAACGGCCTGCGTGTGGCC
TCCGAGCAGTCTCTCAGCCCACTTGCACGGTGGGAGTGTGATTGATGTTGGCAGCCGT
TTTTGAGACTGAGAAGAATAATGGGGCAGGCTACTTTTTGGAGCATCTGGCTTTCAAGGGA
ACAAAGAATCGGCCTGGCAGTGCCTGGAGAAGGAGGTGGAGAGCATGGGGGCCATCTT
AATGCCTACAGCACCCGGGAGCACACAGCTTACTACATCAAGGCCTGTCCAAGGATCTG
CCGAAAGCTGTGGAGCTCCTGGGTGACATTGTGCAGAACTGTAGTCTGGAAGACTCACAG
ATTGAGAAGGAACGTGATGTGATCCTGCGGGAGATGCAGGAGAATGATGCATCTATGCGA
GATGTGGTCTTTAACTACCTGCATGCCACAGCATTCCAGGGCACACCTCTAGCCAGGCT
GTGGAGGGGCCAGTGAGAATGTCAGGAAGCTGTCTCGTGACAGCTTGACCGAGTACCTC
AGCACACATTACAAGGCCCTCGAATGGTGTGTCAGCAGCTGGAGGAGTGGAGCACCAG
CAACTGTTAGACCTCGCCAGAAGCACCTCGGTGGCATCCCATGGACATATGCAGAGGAC
GCTGTGCCCACTTACTCCATGCCGCTTCACTGGCAGTGAAGTCCGCCACCGTGTGATGAT
GCTCTACCTTTTGCCACGTGGCCATTGCAAGTAGAGGGTCTGGCTGGGCCAGCCCGGAC
AATGTGGCCTTGAAGTGGCCAATGCCATCATCGGCCACTATGACTGCACTTATGGTGGT
GGCGTGCACCTGTCCAGCCCACTGGCTTCAGGTGCTGTGGCCAACAAGCTATGCCAGAGT
TTCCAGACCTTCAGCATCTGCTATGCAGAGACGGGCTTGTGGTGCACACTTTGTCTGT
GACCGAATGAAAATCGATGACATGATGTTTCGTCTGCAAGGGCAGTGGATGCGCCTGTGT
ACCAGTGCCACGGAGAGTGAGGTGGCCCGGGCAAAAACATCCTCAGAAATGCCCTGGTA
TCTCATCTAGATGGCACTACTCCTGTGTGTGAGGACATCGGACGCAGCCTCCTGACCTAT
GGCCGCCCATCCCCCTGGCTGAATGGGAAAGCCGGATTGCGGAGGTGGATGCCAGTGTG
GTACGTGAGATCTGCTCCAAGTACATCTATGACCAGTGCCAGCAGTGGCTGGATATGGC
CCCATTGAGCAGCTCCAGACTACAACCGGATCCGTAGCGGCATGTTCTGGCTGCGCTTC
TAG
    
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Clone variation with respect to NM_003365.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003365 unedited
NGGTCACCAATTGTAAACGACTCATATAGGCGGCNCGGAATCGGCACGAGGGGCGCAAC
AGNGCCGACTGCAGCTGGAAGAGGCGGCTCCGTGGTCTGTCCGGCCGCTACCGCCGG
GCACAAGTGCTATTGCGCGCCCGCGCTCGCCGGCCCTGCTGCGGACGCCAGCCTTGCGG
AGTACGGCAACCTTCGCTCAGGCCTCCAGTTCGTGCCGGAGACGCAGGTTAGCCTGCTG
GACAACGGCCTGCGTGTGGCCTCCGAGCAGTCTCTCAGCCCACTTGACGGTGGGAGTG
TGGATTGATGTTGGCAGCCGTTTTGAGACTGAGAAGAATAATGGGGCAGGCTACTTTTTG
GAGCATCTGGCTTTCAAGGGAACAAAGAATCGGCCTGGCAGTGCCTGGAGAAGGAGGTG
GAGAGCATGGGGGCCATCTTAATGCCTACAGCACCCGGGAGCACACAGCTTACTACATC
AAGGCGCTGTCCAAGGATCTGCCGAAAGCTGTGGAGCTCCTGGGTGACATTGTGCAGAAC
TGATGCTGGAAGACTCACAGATTGAGAAGGAACGTGATGTGATCCTGCGGGAGATGCAG
GAGAATGATGCATCTATGCGAGATGTGGTCTTTAACTACCTGCATGCCACAGCATTCCAG
GGCACACCTCTAGCCAGGCTGTGGAGGGGCCAGTGAAGAATGTCAGGAAGCTGTCTCGT
GCAGACTTGACCGAGTACCTCAGCACACATTACAAGGCCCTCGAATGGTGTGGCAGCA
GCTGGAGGAGTGGAGCACCAGCAACTGTTAGACCTCGCCAGAGCACCTNCGTGGCATCC
CATGGACATATGCAGAGGACGCTGTGCCCACTTACNCATGCCGCTTACTGGCAGTGAG
ATCCGNCACCGTGAGATGC
    
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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]