

Product datasheet for **SC321400**

UQCRC2 (NM_003366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UQCRC2 (NM_003366) Human Untagged Clone
Tag:	Tag Free
Symbol:	UQCRC2
Synonyms:	MC3DN5; QCR2; UQCR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003366.2
 CTTGCTTTCTTTAATCCGGCAGTGACCGTGTGTCAGAACAATCTTGAATCATGAAGCTA
 CTAACCAGAGCCGGCTCTTTCTCGAGATTTTATCCCTCAAAGTTGCCCCCAAAGTTAAA
 GCCACAGCTGCGCTGCAGGAGCACCGCCACAACCTCAGGACCTTGAGTTTACCAAGTTA
 CCAATGGCTTGGTGATTGCTTCTTTGGAAAATATTCTCCTGTATCAAGAATTGGTTTG
 TTCATTAAGCAGGCAGTAGATATGAGGACTTCAGCAATTTAGGAACCACCCATTTGCTG
 CGTCTTACATCCAGTCTGACGACAAAAGGAGCTTCATCTTTCAAGATAACCCGTGGAATT
 GAAGCAGTTGGTGGCAAATTAAGTGTGACCGCAACAAGGAAAACATGGCTTATACTGTG
 GAATGCCTGCGGGTGATGTTGATATTCTAATGGAGTTCTGCTCAATGTCACCACAGCA
 CCAGAATTCGTCGTTGGGAAGTAGCTGACCTTCAGCCTCAGCTAAAGATTGACAAAAGCT
 GTGGCCTTTCAGAATCCGCAGACTCATGTCATTGAAAATTTGCATGCAGCAGCTTACCGG
 AATGCCTTGCTAATCCCTTGTATTGTCCTGACTATAGGATTGGAAAAGTGACATCAGAG
 GAGTTACATTACTCGTTCAGAACCATTTACAAGTCAAGAATGGCTTTGATTGGACTT
 GGTGTGAGTCATCCTGTTCTAAAGCAAGTTGCTGAACAGTTTCTCAACATGAGGGGTGGG
 CTTGGTTTATCTGGTCAAAGGCCAACTACCGTGGAGGTGAAATCCGAGAACAGAATGGA
 GACAGTCTTGCCATGCTGCTTTTGTAGCAGAAAGTGCTGTCGCGGGAAGTGCAGAGGCA
 AATGCATTTAGTGTCTTCAGCATGTCCTCGGTGCTGGGCCACATGTCAAGAGGGGCAGC
 AACACCACCAGCCATCTGCACCAGGCTGTTGCCAAGGCAACTCAGCAGCCATTTGATGTT
 TCTGCATTTAATGCCAGTTACTCAGATTCTGGACTCTTTGGGATTTATACTATCTCCCAG
 GCCACAGCTGCTGGAGATGTTATCAAGGCTGCCTATAATCAAGTAAAAACAATAGCTCAA
 GAAAACCTTTCCAACACAGATGTCCAAGCTGCCAAGAACAAGCTGAAAGCTGGATACCTA
 ATGTCAGTGGAGTCTTCTGAGTGTTCCTGGAAGAAGTCGGGTCCAGGCTCTAGTTGCT
 GTTCTTACATGCCACCATCCACAGTCCCTCAGCAGATTGATTCAGTGGCTAATGCTGAT
 ATCATAAATGCGCAAAGAAGTTTGTCTGCGCCAGAAGTCAATGGCAGCAAGTGGAAT
 TTGGGACATACACCTTTTGTGATGAGTTGTAATACTGATGCACACATTACAGGAGAGAG
 CTGAACGTTCTCTCAGCCAGAGCAGCAAAACACATGAAAGTCAGAAGTCTCTAATATATC
 ATTTGTCTTTTTCCAGTGAGGTAATAAGGCATAAATGCAGGTAATTATTTCCAGCTG
 ACCTAAAGTCAATAAAACATTCTGTTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003366

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003366.2 , NP_003357.2
RefSeq Size:	1674 bp
RefSeq ORF:	1362 bp
Locus ID:	7385
UniProt ID:	P22695
Cytogenetics:	16p12.2
Domains:	Peptidase_M16, Peptidase_M16_C
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
Gene Summary:	The protein encoded by this gene is located in the mitochondrion, where it is part of the ubiquinol-cytochrome c reductase complex (also known as complex III). This complex constitutes a part of the mitochondrial respiratory chain. Defects in this gene are a cause of mitochondrial complex III deficiency nuclear type 5. [provided by RefSeq, Jul 2015]