

Product datasheet for **RN201736**

Uqcrc2 (NM_001006970) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrc2 (NM_001006970) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Uqcrc2
Synonyms:	MGC94368
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201736 representing NM_001006970
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTCCTCAGCAGGGCCGGTCTTCTCGAGATTTATTCCCTCAAAGTTGCCCAAAGCTTAAAA
 CTCAGCCCTGGAGAGTGCCTCTGCAGCCTCAGGAACCTGAGTTTACCAAATACCAAATGGTTGGT
 GATTGCTTCTCTGAAAACTATGCTCCACTATCAAGAATTGGCTTATTCATTAAGCAGGAGTAGATAT
 GAGAACTACAACACTTGGGAACCTCTCATTTACTACGCTTGCATCTACTTTGACTACCAAAGGAGCTT
 CATCTTTCAAGATCACCCGTGGAATTGAAGCAGTTGGTGGTAAATTAAGTGTGACTGCAACAAGGGAAAA
 CATGGCATACTGTAGAAGGCATTGGGATGATATTGAAATCCTGATGGAGTTCCTGCTCAATGCACA
 ACAGCACCAGAATTCGCCGCTGGGAAGTTGCTGCCCTTCGGTCTCAGCTAAAGATTGACAAAGCTGTTG
 CCTTTCAGAACCCACAGACTCGTATCATTGAGAACCTACATGATTTGCCACAAGAATGCCTTGCTAA
 TCCCTTGTACTGCTGACTATAGGATGGGAAGATAACATCAGAGGAATTACATTACTTTGTTCCAGAA
 CACTTCACAAGTCAAGAATGGCTTTGGTTGGACTTGGTGTGAGTCAATCTATCCTAAAGGAAGTTGCTG
 AACAAATTTCTCAACATTAGGGGTGGCCTTGGTTAGCTGGTGCAAAAGCCAAATACCGCGGAGGTGAAAT
 TAGAGAGCAGAATGGAGACAATCTGGTCCATGCTGCTATTGTAGCAGAAAGTGTGCCATTGGAAATGCA
 GAAGCAAATGCATTTAGTGTACTTCAGCATCTTCTTGGTGTGGACCACATATCAAAAGGGGCAACAACA
 CCACCAGCCTCTGAGCCAGAGTGTGGCAAAGGAAGTCAACAGCCTTTTGATGTTTCTGCATTTAATGC
 CAGTTACTCAGATTCTGGGCTCTTTGGAATTTACTGTCTCCAGGCTGCTGCGGCTGGAGATGTTATC
 AATGCTGCCTACAACCAAGTAAAAGCAGTTGCTCAAGGAAACCTTCCAGTGCAGATGTCCAGGCTGCCA
 AGAACAAAGCTGAAAGCTGGATATCTAATGTCTGTGGAGACTTCAGAGGGCTTCTGAGTGCAGTCCGGTC
 ACAGGCTCTAGCTACAGGCTCTTACATGCCACCGCTACTGTCTTCAGCAAATTGACGCTGTGGCTGAT
 GCCGATGTTGTAAGGCTGCGAAAAAGTTTGTCTGGCAAGAAGTCAATGACAGCAAGTGGAAACTTGG
 GACATACGCTTTTCTTGACGAGTT**A**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001006970

Insert Size: 1359 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:

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_001006970.1](#), [NP_001006971.1](#)

RefSeq Size: 1860 bp

RefSeq ORF: 1359 bp

Locus ID: 293448

UniProt ID: [P32551](#)

Cytogenetics: 1q36

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. The core protein 2 is required for the assembly of the complex.[UniProtKB/Swiss-Prot Function]