

Product datasheet for **RR201736**

Uqcrc2 (NM_001006970) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR201736 representing NM_001006970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTCCTCAGCAGGGCCGGTCTTCTCGAGATTTTATCCCTCAAAGTTGCCCAAAGCTTAAAA
 CTCAGCCCTGGAGGAGTGCCTCTGCAGCCTCAGGAACCTGAGTTTACCAAATACCAAATGGTTGGT
 GATTGCTTCTCTGAAAACTATGCTCCACTATCAAGAATTGGCTTATTCATTAAGCAGGAGTAGATAT
 GAGAACTACAACACTTGGGAACCTCTCATTTACTACGCTTGCATCTACTTTGACTACCAAAGGAGCTT
 CATCTTTCAAGATCACCCGTGGAATTGAAGCAGTTGGTGGTAAATTAAGTGTGACTGCAACAAGGAAAA
 CATGGCATACTGTAGAAGGCATTGGGATGATATTGAAATCCTGATGGAGTTCCTGCTCAATGCACA
 ACAGCACCAGAATTCGCCGCTGGGAAGTTGCTGCCCTTCGGTCTCAGCTAAAGATTGACAAAGCTGTTG
 CCTTTCAGAACCCACAGACTCGTATCATTGAGAACCTACATGATTTGCCTACAAGAATGCCTTGCTAA
 TCCCTTGTACTGCTGACTATAGGATGGGAAGATAACATCAGAGGAATTACATTACTTTGTTCCAGAAT
 CACTTCACAAGTCAAGAATGGCTTTGGTTGGACTTGGTGTGAGTCATTCTATCCTAAAGGAAGTTGCTG
 AACAAATTTCTCAACATTAGGGGTGGCCTTGGTTTAGCTGGTGCAAAGCCAAATACCGCGGAGGTGAAAT
 TAGAGAGCAGAATGGAGACAATCTGGTCCATGCTGCTATTGTAGCAGAAAGTGTGCCATTGGAAATGCA
 GAAGCAAATGCATTTAGTGTACTTCAGCATCTTCTTGGTGTGGACCACATATCAAAAGGGGCAACAACA
 CCACCAGCCTCCTGAGCCAGAGTGTGCCAAAGGAAGTCAACAGCCTTTTGATGTTTCTGCATTTAATGC
 CAGTTACTCAGATTCTGGGCTCTTTGGAATTTACTGTCTCCAGGCTGCTGCGGCTGGAGATGTTATC
 AATGCTGCCTACAACCAAGTAAAAGCAGTTGCTCAAGGAAACCTTCCAGTGCAGATGTCAGGCTGCCA
 AGAACCAAGCTGAAAGCTGGATATCTAATGTCTGTGGAGACTTCAGAGGGCTTCTGAGTGGAGTGGGTC
 ACAGGCTCTAGCTACAGGCTCTTACATGCCACCGCTACTGTCTTCAGCAAATTGACGCTGTGGCTGAT
 GCCGATGTTGTAAGGCTGCGAAAAAGTTGTTTCTGGCAAGAAGTCAATGACAGCAAGTGGAAACTTGG
 GACATACGCTTTTCTTGACGATTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201736 representing NM_001006970
 Red=Cloning site Green=Tags(s)

MKLLSRAGSFSRFYSLKVAPKLKTSAPGGVPLQPQELEFTKLPNGLVIASLENYAPLSRIGLFIKAGSRY
 ENYNLGTSHLLRLASTLTTKGASSFKITRGIEAVGGKLSVTATRENMAYTVEGIRDDIEILMEFLLNVT
 TAPEFRRWEVAALRSQKIDKAVAFQNPQTRIIENLHDVAYKNLANPLYCPDYRMGKITSEELHYFVQN
 HFTSARMALVGLGVSHSILKEVAEQFLNIRGGLLAGAKAKYRGGEIREQNGDNLVHAAI VAESAIGNA
 EANAFSVLQHLLGAGPHIKRGNNTSLLSQSVAKGSQQPFDVSAFNASYSDSGLFGIYTVSQAAAAGDVI
 NAAYNQVKAVAQGNLSSADVQAANKLKAGYLSVETSEGFLSEIGSQALATGSYMPPTVLQQIDAVID
 ADVVKAAKKFVSGKKSMTASGNLGHPTFLDEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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

MW: 48.4 kDa

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]