

Product datasheet for **RR201407**

Uqcrc1 (NM_001004250) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrc1 (NM_001004250) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uqcrc1
Synonyms:	MGC93712
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201407 representing NM_001004250
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGCTCCGAGTCTGCCAGCGCCTGCTCTGGACGCAAGCGCTACTTCGCACCTGCCGCTCGC
 CGGCCCTGCTGAGGCTACCTGCCTTGGGGTACCGCAACCTTCGTCCAGGCCCTCAGAGCGTGCCGGA
 GACACAGGTCAGCGTATTGGACAACGGGCTGCGTGTGGCCTCGGAGCAGTCTCGCATCCTACCTGCACG
 GTGGGAGTGTGGATTGACGTTGGCAGTGCCTATGAGACTGAGAAGAACAATGGAGCAGGCTACTTTTGG
 AACATCTGGCTTCAAGGGAACAAGAACCCTCGGCAATGCCTTAGAGAAGGAGGTAGAGAGTATTGG
 CGCCCATCTTAATGCCTACAGCACTCGGGAGCACACTGCTTACCTCATCAAGGCACTGTCCAAGGACCTG
 CCAAAAGTTGTGGAGCTCCTGGCAGATATTGTGCAGAACATTAGTCTGGAAGACTCGCAGATCGAGAAGG
 AGCGAGATGTGATCCTGCGGGAGATGCAGGAAAACGATGCCTCTATGCAGAATGTAGTCTTCGATTACCT
 GCATGCAACAGCATTCCAGGGCACACCTTAGCCAGGCTGTGGAGGGGCCAGTGAGAAGTCCAGGAGG
 CTGTCCGCACAGACTTGACTGACTACCTCAGCAGGCACTACAAAGCTCCCCGAATGGTGCCTGGCTGCCG
 CTGGAGGGGTGAAGCACCAGCAGCTGCTAGACCTTGCCAGGATCACTTCAGCAGTGTCTCCAGGTGTA
 TGAAGAAGACGCTGTACCTAGTATAACTCCATGTCGCTTCACTGGCAGTGAATCCGACATCGGGATGAT
 GCCCTGCCCTTGGCCATGTGGCCATTGCAGTAGAGGGACCTGGCTGGGCTAACCCAGACAACGTGGCTC
 TCCAAGTGGCCATGCCATCATAGGCCACTATGACTGCACTTACGGTGGTGGAGTGCACCTGTCCAGCCC
 GCTGGCTTCCGTTGCTGTAGCTAACAGCTTGGCAGAGTTCCAGACCTCAACATCTCCTACTCTGAG
 ACCGGTGTGGGCGCACACTTGTCTGTGATGCCATGAGCATCGATGATGATCTTCTCTGCAAG
 GCCAGTGGATGCCCTGTGCACCAGCCTACAGAGAGTGAAGTACTCGGGGCAAAAACCTCTTAGGAA
 TGCCCTTGATATCTCATTGGATGGCACCACCCCTGTGTGTGAAGACATTGGTCCGACCTCCTGACTTAT
 GGCCGCCGATCCCTCTGGCTGAGTGGGAGAGCCGGATTGAGGAGTGGATGCCAGATGGTTCGAGAGG
 TTTGCTCCAAGTACTTTTATGACCAATGTCCAGCAGTGGCTGGATATGGCCCATCGAACAGCTCTCAGA
 CTACAACCGGATTCGAGTGGCATGTTCTGGCTGCGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201407 representing NM_001004250
 Red=Cloning site Green=Tags(s)

MAASAVCRAACSGTQALLRTRCSPALLRPLALRGATFVQALQSVPETQVSVLDNGLRVASEQSSHPTCT
 VGVWIDVGSRYETEKNNAGYFLEHLAFKGTKNRPGNALEKEVESIGAHLNAYSTREHTAYLIKALSKDL
 PKVVELLADIVQNISLEDSQIEKERDVILREMQENDASMQNVVFDYLHATAFQGTPLAQAVEGPESENVR
 LSRTDLTDYLSRHYKAPRMVLAAGGVKHQQLDLAQDHFSSVSQVYEEADAVPSITPCRFVTGSEIRHRDD
 ALPLAHVAIAVEGPGWANPDNVALQVANAIGHYDCTYGGVHLSPLASVAVANKLCQSFQTFNISYSE
 TGLLGAHFVCDAMSIDDMIFFLQGWMLRCTSATESEVTRGKNILRNALISHLDGTTVPVEDIGRSLTTY
 GRRIPLAEWESRIEEVDAQMVREVCISKYFYDQCPAVAGYGPPIEQLSDYNRIRSGMFWLRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

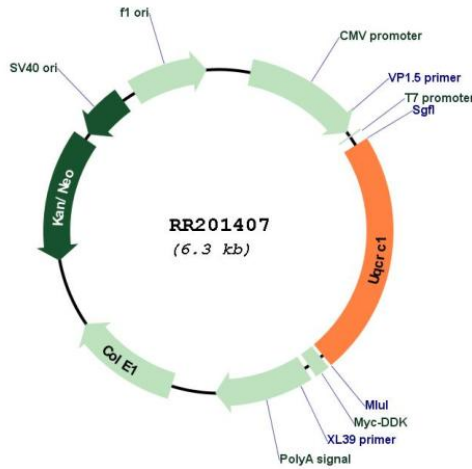
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004250

ORF Size: 1440 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001004250.2](#), [NP_001004250.1](#)

RefSeq Size: 1597 bp

RefSeq ORF: 1443 bp

Locus ID: 301011

UniProt ID: [Q68FY0](#)

Cytogenetics: 8q32

MW: 53.3 kDa

Gene Summary: human homolog catalyzes the transfer of electrons from coenzyme QH2 to ferricytochrome c in mitochondrial electron transport [RGD, Feb 2006]