

Product datasheet for MR203452

Uqcrc1 (BC030064) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrc1 (BC030064) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uqcrc1
Synonyms:	1110032G10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203452 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGTCCGCAGTCTGCCGAGCGGCTGCTCCGGGACGCAAGTGCTACTTCGCACCCGCCGCTCGC
CGGCCCTGCTGAGGTTACCTGCCTTGCGGGTACCGCAACCTTCGCCAGGCCCTCCAGAGCGTGCCGGA
GACCCAGGTCAGCATCTTGGACAACGGGCTGCGTGTGGCCTCGGAGCAGTCTCGCATGCTACCTGCACG
GTGGGAGTGTGGATTGACGCTGGCAGTCGCTATGAGACTGAGAAGAACAATGGAGCAGGCTACTTTTGG
AACATCTGGCTTCAAGGAACAAGAATCGGCCTGGCAATGCCTTAGAGAAGGAGGTAGAGAGTATTGG
GGCTCATCTTAATGCCTACAGCACTCGAGAGCACACTGCTTACCTCATCAAGGCACTGTCCAAGGACCTG
CCAAAAGTTGTGGAGCTCCTGGCAGATATCGTGCAGAACAGTAGTCTGGAAGACTCACAGATCGAGAAGG
AACGAGATGTGATCCTGCGGGAGATGCAGGAAAATGACGCCTCCATGCAGAACGTGGTCTTTGATTACCT
GCATGCGACAGCATTCCAGGGCACACCTTAGCCAGGCTGTGGAGGGGCCAGTGAGAACGTCAGGAGG
CTGTGCGCACAGACTTGACTGACTACCTCAACAGACATTACAAAGCCCCCGGATGGTGTGGCTGCAG
CTGGAGGTGTGGAACACCAGCAGCTGCTGGACCTGCCAGAAACACTTGAGCAGTGTCTCCCGAGTGTA
TGAAGAAGATGCTGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203452 protein sequence
Red=Cloning site Green=Tags(s)

MAASAVCRAACSGTQVLLRTRRSPALLRLPALRGATFAQALQSVPETQVSILDNGLRVASEQSSHATCT
 VGVWIDAGSRYETKNNAGYFLEHLAFKGTKNRPGNALEKEVESIGAHLNAYSTREHTAYLIKALSKDL
 PKVVELLADIVQNSSLEDSQIEKERDVILREMQENDASMQNVVFDYLHATAFQGTPLAQAVEGPESENVR
 LSRTDLTDYLNRYKAPRMVLAAGGVEHQQLDLAQKHLSSVSRVYEDAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC030064

ORF Size: 786 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: [BC030064](#), [AAH30064](#)

RefSeq Size: 1056 bp

RefSeq ORF: 788 bp

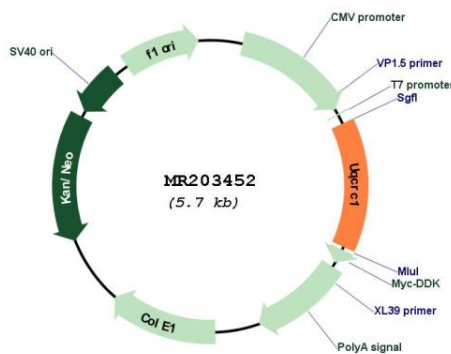
Locus ID: 22273

Cytogenetics: 9 59.63 cM

MW: 28.7 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. This protein may mediate formation of the complex between cytochromes c and c1 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203452