

## Product datasheet for **MG203452**

### Uqcrc1 (BC030064) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrc1 (BC030064) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uqcrc1
Synonyms:	1110032G10Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203452 representing BC030064 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGTCCGCAGTCTGCCGAGCGGCTGCTCCGGGACGCAAGTGCTACTTCGCACCCGCCGCTCGC  
CGGCCCTGCTGAGGTTACCTGCCTTGGGGGTACCGCAACCTTCGCCAGGCCCTCCAGAGCGTGCCGGA  
GACCCAGGTCAGCATCTTGGACAACGGGCTGCGTGTGGCCTCGGAGCAGTCTCGCATGCTACCTGCACG  
GTGGGAGTGTGGATTGACGCTGGCAGTCGCTATGAGACTGAGAAGAACAATGGAGCAGGCTACTTTTGG  
AACATCTGGCTTCAAGGAACAAGAATCGGCCTGGCAATGCCTTAGAGAAGGAGGTAGAGAGTATTGG  
GGCTCATCTTAATGCCTACAGCACTCGAGAGCACACTGCTTACCTCATCAAGGCACTGTCCAAGGACCTG  
CCAAAAGTTGTGGAGCTCCTGGCAGATATCGTGCAGAACAGTAGTCTGGAAGACTCACAGATCGAGAAGG  
AACGAGATGTGATCCTGCGGGAGATGCAGGAAAATGACGCCTCCATGCAGAACGTGGTCTTTGATTACCT  
GCATGCGACAGCATTCCAGGGCACACCTTAGCCAGGCTGTGGAGGGGCCAGTGAGAACGTCAGGAGG  
CTGTGCGCACAGACTTGACTGACTACCTCAACAGACATTACAAAGCCCCCGGATGGTGTGGCTGCAG  
CTGGAGGTGTGGAACACCAGCAGCTGCTGGACCTTGCCAGAAACACTTGAGCAGTGTCTCCCGAGTGTA  
TGAAGAAGATGCTGCG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG203452 representing BC030064  
 Red=Cloning site Green=Tags(s)

MAASAVCRAACSGTQVLLRTRRSPALLRLPALRGATATFAALQSVPETQVSILDNGLRVASEQSSHATCT  
 VGVWIDAGSRYETEKNNAGAGYFLEHLAFKGTKNRPGNALEKEVESIGAHLNAYSTREHTAYLIKALSKDL  
 PKVVELLADIVQNSSLEDSQIEKRDVILREMQENDASMQNVVFDYLHATAFQGTPLAQAVEGPESENVR  
 LSRTDLTDYLNRYHKAPRMVLAAGGVEHQQLDLAQKHLSSVSRVYEDAA

TRTRPLE - GFP Tag - V

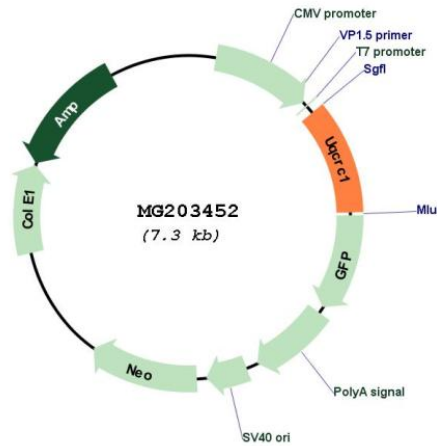
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** BC030064

**ORF Size:** 788 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC030064</a> , <a href="#">AAH30064</a>
<b>RefSeq Size:</b>	1056 bp
<b>RefSeq ORF:</b>	788 bp
<b>Locus ID:</b>	22273
<b>Cytogenetics:</b>	9 59.63 cM
<b>Gene Summary:</b>	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]