

## Product datasheet for **MG207230**

### Uqcrc2 (NM\_025899) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrc2 (NM_025899) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uqcrc2
Synonyms:	1500004O06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207230 representing NM\_025899  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCTCCTCAGCAGGGCCGGTCTTCTCGAGATTTTATCCCTCAAAGTTGCCCGAAGGTTAAAA  
 CTTCAGCAGCCCCCTGGAGGAGTGCTCTGCAGCCTCAGGATCTTGAGTTTACCAAATTACCAAATGGTTT  
 GGTGATTGCTTCTCTGAAAACTATGCTCCTGTCAAGAATCGGCTTGTTCGTTAAAGCAGGCAGTAGA  
 TATGAGGACTCCAACAATTGGGAACCTCACATTTACTACGTCTTGCATCTAGTTTGACTACCAAAGGAG  
 CTTTCATCTTTCAAGATAACCCGTGGGATTGAAGCAGTTGGTGGTAAATTAAGTGTGACTGCAACAAGGGA  
 AAACATGGCGTACACTGTAGAAGCATTTCGAGTGATATTGAGATCCTCATGGAGTTCCTGCTCAATGTC  
 ACCACAGCACCCGAGTTTCGCCGTTGGGAAGTAGCTGCCCTCGGTCTCAGCTAAAGATTGACAAAGCTG  
 TTGCCCTTTCAGAATTCACAGACCCGATCATTGAGAATTGCATGATGTTGCCTACAAGAATGCCTTGGC  
 TAATCCTTTGACTGTCCTGACTATAGGATGGGAAGATAACATCAGAGGAATTACATTACTTTGTTTCAG  
 AACCACCTTCAAGAAGTGAAGAATGGCTCTGGTTGGACTTGGTGTGAGTCACTTCTGTCTTAAAGCAGGTGG  
 CTGAACAATTTCTCAACATGAGGGTGGCCTTGGTTTAGCTGGTGCAAAAAGCCAAATACCGTGGAGGTGA  
 AATTAGAGAGCAGAATGGAGACAACCTGGTCCATGCTGCTATTGTTGCAGAAAAGTGTGCCATTGGAAAT  
 GCAGAGGCAAAATGCATTCAGTGTACTTCAGCATCTTCTTGGTGTGGACCACATATCAAAAAGGGCAACA  
 ACACCACCAGCCTCCTGAGCCAGAGTGTGCAAAAGGAAGTCACCAGCCTTTTGATGTTTCTGCATTTAA  
 TGCCAGTTACTCAGACTCTGGGCTCTTTGGAATTTACTACTTTCCAGGCTGCAGCTGCTGGAGAGGTT  
 ATCAATGCTGCCTACAACCAAGTCAAAGCAGTTGCTCAAGGAAACCTTTCCAGTGCAGATGTCCAAGCTG  
 CCAAGAACAAGCTAAAAGCTGGATATCTAATGTCTGTGGAGACGTCAGAGGGCTTCTGAGTGAATTTGG  
 GTCACAGGCTCTAGCTGCAGTTCTTATATGCCACCTTCTACCGTCTTCAACAGATTGACTCCGTGGCT  
 GATGCTGATGTTGTAAGGCTGCAAAAAGTTGTTTCTGGCAAGAAGTCAATGGCAGCGAGTGGAACT  
 TGGGACATACGCCTTTTCTCGACGAGTTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207230 representing NM\_025899  
 Red=Cloning site Green=Tags(s)

MKLLSRAGSFSRFYSLKVAPKVKTSAPGGVPLQPQDLEFTKLPNGLVIASLENYAPLSRIGL FVKAGSR  
 YEDSNLGTSHLLRLASSLTTKGASSFKITRGIEAVGGKLSVTATRENMAYTVEGIRSDIEILMEFLLNV  
 TTAPEFRRWEVAALRSQKIDKAVAFQNSQTRIIENLHDVAYKNALANPLYCPDYRMGKITSEELHYFVQ  
 NHFTSARMALVGLGVSHSVLKQVAEQFLNMRGGLLAGAKAKYRGGEIREQNGDNLVHAAI VAESA AIGN  
 AEANAFSVLQHLLGAGPHIKRGNNNTSLLSQSVAKGSHQPFDVSAFNASYSDSGLFGIYTIISQAAAAGEV  
 INAAYNQKAVAQGNLSSADVQAANKL KAGYLM SVETSEGFLSEIGSQALAAAGSYMPSTV LQQIDSVA  
 DADVVKAAK KFVSGKKSMAASGNLGHPTFLDEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



<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>	<u><a href="#">NM_025899.2</a></u> , <u><a href="#">NP_080175.1</a></u>
<b>RefSeq Size:</b>	1882 bp
<b>RefSeq ORF:</b>	1362 bp
<b>Locus ID:</b>	67003
<b>UniProt ID:</b>	<u><a href="#">Q9DB77</a></u>
<b>Cytogenetics:</b>	7 F2
<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. The core protein 2 is required for the assembly of the complex (By similarity).[UniProtKB/Swiss-Prot Function]