

## Product datasheet for **MG203679**

### Uqcrfs1 (NM\_025710) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrfs1 (NM_025710) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uqcrfs1
Synonyms:	4430402G14Rik; AI875505
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203679 representing NM_025710 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTCGGTCGCCGCCGCTCGGGCCCGTTTCGCGCCCGTCTATCGGCCACTTCCCGCGGGTGGCGG  
GCGCGTGCCTCTGCTGCAAGGCGCGGTGCCCGCCGCTCGGAGCCACCTGTTCTGGATGTGAAGCG  
ACCCTTCTGTGCCGCGAGTCCCTGAGTGGCCAGGCCGAGCCCGCCTTTGGTGGCCACGGTGGCCTG  
AACGTTCTGCTTCTGTCCGTTTTCCCATACAGATGTCAAGGTGCCGACTTCTCTGACTATCGTCGTG  
CTGAAGTTCTTGATAGCACAAAATCTTCTAAAGAAAGCAGTGAGGCTAGAAAAGGCTTCTCTACCTGGT  
AACTGCAACTACTACTGTGGGTGTTGCTTATGCGGCCAAAATGTGGTCTCCAGTTGTTCCAGCATG  
AGTGCTTCTGCTGACGACTGGCCATGTCGAAGATCGAGATCAAGTTGTCTGATATCCCTGAAGGAAGA  
ACATGGCTTTTAAATGGAGAGGCAAACCTCTGTTTGTGCGCCATAGAACCAAGAAGGAGATTGACCAGGA  
AGCTGCAGTCGAAGTGTCCAGTTAAGGGACCCACAGCATGATTTAGATCGAGTAAAGAAACCTGAATGG  
GTTATTCTGATAGGTGTCTGACTCATCTTGGTTGTGTACCCATTGCAAACGCAGGAGATTTTGGTGGCT  
ATTATTGCCCTGCCATGGGTCACTATGACGCCTCTGGCAGGATCAGGAAGGGCCCTGCACCTCTCAA  
CCTGGAAGTGCCCTACGAGTTCACCACTGATGATGTAGTTGTTGTGGGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203679 representing NM\_025710  
 Red=Cloning site Green=Tags(s)

MLSVAARSGPFAPVL SATSRGVAGALRPLLQGA VPAASEPPVLDVKRPFLCRESLSGQAAARPLVATVGL  
 NVPASVRF SHTDVKVPDFSDYRRAEVL DSTKSSKESSEARKGFSYLVTATTTVG VAYAANKVVSQFVSSM  
 SASADVLAMSKIEIKLSDIPEGKNMAFKWRGKPLFVRHRTKKEIDQEAAVEVSQLRDPQHDLDRVKKPEW  
 VILIGVCTHLGCVPIANAGDFGGYYCPC HSGHYDASGRIRKGPAPLNLEVPAYEFTSDDVVVVVG

TRTRPLE - GFP Tag - V

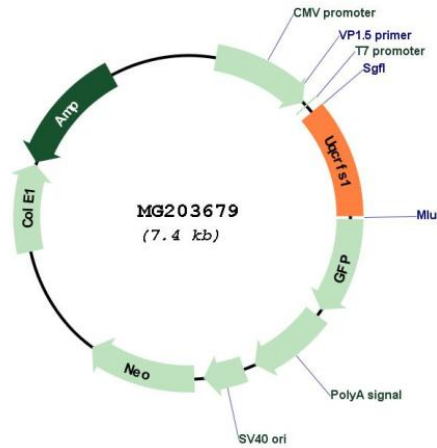
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_025710

ORF Size: 822 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="#">NM_025710.2</a>
<b>RefSeq Size:</b>	1316 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	66694
<b>UniProt ID:</b>	<a href="#">Q9CR68</a>
<b>Cytogenetics:</b>	13 A3.2
<b>Gene Summary:</b>	Cytochrome b-c1 complex subunit Rieske, mitochondrial: Component of the mitochondrial ubiquinol-cytochrome c reductase complex dimer (complex III dimer), which is a respiratory chain that generates an electrochemical potential coupled to ATP synthesis (PubMed:28673544). Incorporation of UQCRFS1 is the penultimate step in complex III assembly (By similarity).[UniProtKB/Swiss-Prot Function]