

## Product datasheet for **RG204051**

### UQCRFS1 (NM\_006003) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UQCRFS1 (NM_006003) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UQCRFS1
Synonyms:	MC3DN10; RIP1; RIS1; RISP; UQCR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204051 representing NM_006003 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTCGGTAGCAGCCCGCTCGGGCCCGTTCGCGCCCGTCTGTGGCCACGTCCCGCGGGTGGCGG  
GCGCGTGCAGCCCTTGGTGCAGGCCACGGTCCCGCCACCCCGGAGCAGCCTGTGTTGGACCTGAAGCG  
GCCCTTCCTCAGCCGGGAGTCGCTGAGCGGCCAGGCCGTGCGCCGGCCTTTGGTCGCTCCGTGGCCTC  
AATGTCCATGCTTCTGTTTGTATTCCACACAGACATCAAGGTGCTGACTTCTCTGAATACCGCCGCC  
TTGAAGTTTTAGATAGTACGAAGTCTTCAAGAGAAAGCAGCGAGGCTAGGAAAGTTTCTCCTATTTGGT  
AACTGGAGTAACTACTGTGGGTGTCGCATATGCTGCCAAGAATGCCGTACCCAGTTCGTTTCCAGCATG  
AGTGCTTCTGCTGATGTGTTGGCCCTGGCGAAAATCGAAATCAAGTTATCCGATATTCCAGAAGGCAAGA  
ACATGGCTTTCAAATGGAGAGGCAAACCCTGTTTGTGCGTCATAGAACCAGAAGGAAATTGAGCAGGA  
AGCTGCAGTTGAATTATCACAGTTGAGGGACCCACAGCATGATCTAGATCGAGTAAAGAAACCTGAATGG  
GTTATCCTGATAGGTGTTTGCATCATCTTGGCTGTGTACCCATTGCAAATGCAGGAGATTTTGGTGGTT  
ATTACTGCCCTTGCCATGGGTACACTATGATGCATCTGGCAGGATCAGATTGGGTCTGCTCCTCTCAA  
CCTTGAAGTCCCCACGTATGAGTTCACCACTGACGATATGGTGATTGTTGGT

AGCG**GACCG**ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

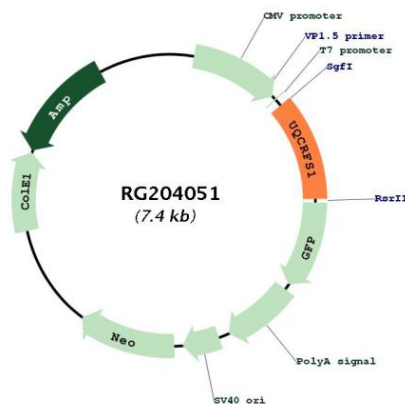


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<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: 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_006003.1</a></u> , <u><a href="#">NP_005994.1</a></u>
<b>RefSeq Size:</b>	1203 bp
<b>RefSeq ORF:</b>	825 bp
<b>Locus ID:</b>	7386
<b>UniProt ID:</b>	<u><a href="#">P47985</a></u>
<b>Cytogenetics:</b>	19q12
<b>Domains:</b>	UCR_TM, Rieske
<b>Protein Pathways:</b>	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
<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 (PubMed:28673544).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG204051