

Product datasheet for **SC116390**

UQCRFS1 (NM_006003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UQCRFS1 (NM_006003) Human Untagged Clone
Tag:	Tag Free
Symbol:	UQCRFS1
Synonyms:	MC3DN10; RIP1; RIS1; RISP; UQCR5
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006003, the custom clone sequence may differ by one or more nucleotides

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ATGTTGTCGGTAGCATCCCGCTCAGGCCGTTTCGCGCCCGTCTGTGGCCACGTCCCGCGGGGTGGCGG
GCGCGCTGCGGCCCTTGGTGCAGGCCACGGTGCCCGCCACCCCGGAGCAGCCTGTGTTGGACCTGAAGCG
GCCCTTCTCAGCCGGGAGTCGCTGAGCGGCCAGGCCGTGCGCCGGCCTTTGGTCGCCTCCGTGGCCTC
AATGTCCTGCTTCTGTTTGTATTCCACACAGACATCAAGGTGCCTGACTTCTCTGAATACCGCCGCC
TTGAAGTTTTAGATAGTACGAAGTCTTCAAGAGAAAGCAGCGAGGCTAGGAAAGTTTTCTCTATTTGGT
AACTGGAGTAACTACTGTGGGTGTCGCATATGCTGCCAAGAATGCCGTACCCAGTTCGTTCCAGCATG
AGTGCTTCTGCTGATGTGTTGGCCCTGGCGAAAATCGAAATCAAGTTATCCGATATCCAGAAGGCAAGA
ACATGGCTTTCAAATGGAGAGGCAAACCCTGTTTGTGCGTCATAGAACCAGAAGGAAATTGAGCAGGA
AGCTGCAGTTGAATTACACAGTTGAGGGACCCACAGCATGATCTAGATCGAGTAAAGAAACCTGAATGG
GTTATCCTGATAGGTGTTTGCACCTCATCTTGGCTGTGTACCCATTGCAAATGCAGGAGATTTTGGTGTT
ATTACTGCCCTTGCCATGGGTCACACTATGATGCATCTGGCAGGATCAGATTGGGTCTGCTCCTCTCAA
CCTTGAAGTCCCACGTATGAGTTCACCAGTGACGATATGGTGATTGTTGGTTAA
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Restriction Sites:	NotI-NotI
ACCN:	NM_006003
Insert Size:	2750 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

RefSeq: [NM_006003.1](#), [NP_005994.1](#)

RefSeq Size: 1203 bp

RefSeq ORF: 825 bp

Locus ID: 7386

UniProt ID: [P47985](#)

Domains: UCR_TM, Rieske

Protein Pathways: Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

Gene Summary: 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]