

Product datasheet for MR203679

Uqcrfs1 (NM_025710) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uqcrfs1 (NM_025710) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uqcrfs1
Synonyms:	4430402G14Rik; AI875505
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203679 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGTCGGTCGCCGCCGCTCGGGCCCGTTGCGGCCCGTCTATCGGCCACTTCCCGCGGGTGGCGG
GCGCGCTGCGTCCTCTGCTGCAAGGCGCGGTGCCCGCCGCTCGGAGCCACCTGTTCTGGATGTGAAGCG
ACCCTTCTGTGCCGCGAGTCCCTGAGTGGCCAGGCCGAGCCCGCCTTTGGTGGCCACGGTGGGCCTG
AACGTTCTGCTTCTGTCCGTTTTCCCATACAGATGTCAAGGTGCCGACTTCTCTGACTATCGTCGTG
CTGAAGTTCTTGATAGCACAAAATCTTCTAAAGAAAGCAGTGAGGCTAGAAAAGGCTTCTCTTACCTGGT
AACTGCAACTACTACTGTGGGTGTTGCTTATGCGGCCAAAATGTGGTCTCCAGTTTGTTCAGCATG
AGTGCTTCTGCTGACGACTGGCCATGTGGAAGATCGAGATCAAGTTGTCTGATATCCCTGAAGGGAAGA
ACATGGCTTTTAAATGGAGAGGCAAACCTCTGTTTGTGCGCCATAGAACCAAGAAGGAGATTGACCAGGA
AGCTGCAGTCGAAGTGTCCAGTTAAGGGACCCACAGCATGATTTAGATCGAGTAAAGAAACCTGAATGG
GTTATTCTGATAGGTGTCTGACTCATCTTGGTTGTGTACCCATTGCAAACGCAGGAGATTTTGGTGGCT
ATTATTGCCCTGCCATGGGTCACTATGACGCCTCTGGCAGGATCAGGAAGGGCCCTGCACCTCTCAA
CCTGGAAGTGCCCTACGAGTTCACCAGTGATGATGTAGTTGTTGTGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203679 protein sequence
Red=Cloning site Green=Tags(s)

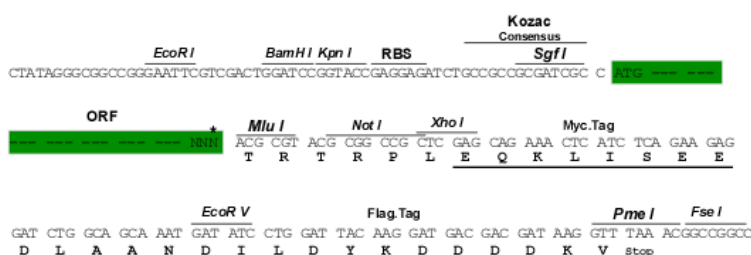
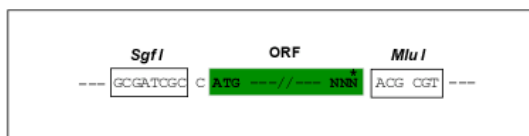
MLSVAARSGPFAPVL SATSRGVAGALRPLLQGA VPAASEPPLDVKRPFLCRESLSGQAAARPLVATVGL
 NVPASVRF SHTDVKVPDFSDYRRAEVL DSTKSSKESSEARKGFSYLVTATTTVG VAYA AKNVVSQFVSSM
 SASADVLAMSKIEIKLSDIPEGKNMAFKWRGKPLFVRHR TKKEIDQEA AVEVSQLRDPQHDLDRVKKPEW
 VILIGVCTHLGCVPIANAGDFGGYYCPC HSGHYDASGRIRKGPAPLNLEVPAYEFTSDDDVVVVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025710

ORF Size: 825 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_025710.2](#)

RefSeq Size: 1313 bp

RefSeq ORF: 825 bp

Locus ID: 66694

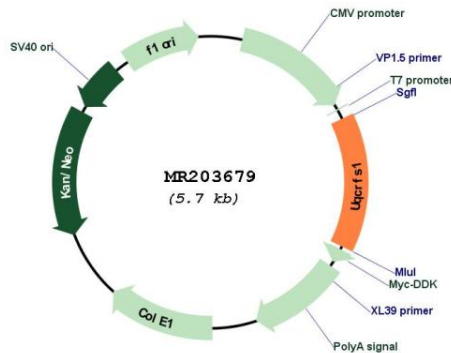
UniProt ID: [Q9CR68](#)

Cytogenetics: 13 A3.2

MW: 29.4 kDa

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203679