

Product datasheet for **RR210838**

Uqcrfs1 (NM_001008888) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Uqcrfs1 (NM_001008888) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Uqcrfs1
 Synonyms: LRRGT00195
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR210838 representing NM_001008888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGTCGGTCGCTGCCCGCTCGGGCCCGTTGCGCCCCGTCTATCGGCCACGTCCCAGGGGTGGCGG
 GAGCGCTGCGGCCCTGCTGCAAAGCGCGGTGCCCGCCACCTCGGAACCACCGTTCTGGACGTGAAGCG
 ACCCTTCTGTGCCGTGAGTCGCTGAGTGGCCAGGCCGCGACCCGTCCTTTGGTGGCCACAGTGGGCCTG
 AATGTTCTGCTTCTGTTTCGTTATCCACACAGACATCAAGGTGCCGACTTCTCTGACTATCGCCGTG
 CTGAAGTTCTAGATAGCACAAAATCTTCTAAAGAGAGCAGTGAGGCTAGAAAAGGCTTCTCTACTTGGT
 AACTGCAACTACTACTGTGGGTGTTGCATACGCTGCGAAAAATGCAGTCTCCAGTTTGTTCAGCATG
 AGTGCTTCTGCGGATGACTGGCCATGTCGAAGATCGAGATCAAGTTGTCTGATATTCCAGAGGGGAAGA
 ACATGGCTTTTAAATGGAGAGGCAAACCTCTGTTTGTGCGCCATAGAACCAAGAAGGAGATTGACCAGGA
 AGCTGCAGTTGAAGTGTCCAGTTAAGGGACCCACAGCATGATTTAGAGCGTGTAAAGAAGCCTGAATGG
 GTTATTCTGATCGGTGTCTGACTCATCTTGGTTGTGTACCCATTGCAAACGCAGGAGATTTTGGTGGCT
 ACTATTGCCCTGCCATGGGTCACTATGATGCTTCTGGCAGGATCAGGAAGGGCCCTGCACCTCTCAA
 CCTGGAAGTACCTACCTATGAGTTCACCAGTGGTATGTAGTTGTTGTGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210838 representing NM_001008888
Red=Cloning site Green=Tags(s)

MLSVAARSGPFAPVLSATSRGVAGALRPLLQSAVPATSEPPVLDVKRPFLCRELSGQAATRPLVATVGL
 NVPASVRYSHTDIKVPDFSDYRRAEVLSTKSSKESSEARKGFSYLVTATTTVGVAAYAAKNAVSQFVSSM
 SASADVLAMSKIEIKLSDIPEGKNMAFKWRGKPLFVRHRTKKEIDQEAAVEVSQLRDPQHDLERVKKPEW
 VILIGVCTHLGCVPIANAGDFGGYYCPCGSHYDASGRIRKGPAPLNLEVPTYEFTSGDVVVVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001008888

ORF Size: 822 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_001008888.1](#), [NP_001008888.1](#)

RefSeq Size: 1110 bp

RefSeq ORF: 825 bp

Locus ID: 291103

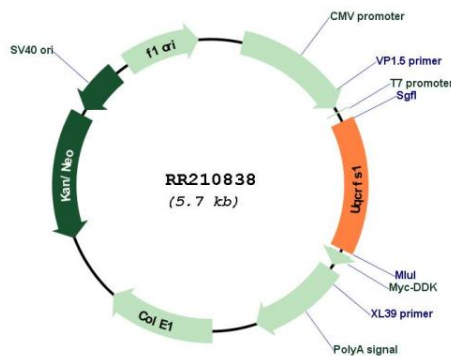
UniProt ID: [P20788](#)

Cytogenetics: 17p12

MW: 29.4 kDa

Gene Summary: component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome bc1 complex); important for generating an electrochemical potential coupled to ATP synthesis [RGD, Feb 2006]

Product images:



Circular map for RR210838