

Product datasheet for RN210575

Uqcc2 (NM_001108528) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uqcc2 (NM_001108528) Rat Untagged Clone
Tag: Tag Free
Symbol: Uqcc2
Synonyms: M19; Mnf1; RGD1306917
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN210575 representing NM_001108528
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGCTCTCCGCTACCGCGTTTTCTTAAGCTCTGTGAGGAATGGCCAGTGGACGAGACCAAACGGG
 GCCGGGACTTGGGCGTTACCTGCGGCAGCGGTAGCACAGGCCTTTCGGGAGGGAGAGAACACCCAGGT
 TGCAGAACCCGAGGCCTGTGATCAGATGTACGAGAGCTTAGCACGACTGCATTCAAACACTACAAGCAC
 AAGTACCCTCGCCCCAGAGACACCAGCTTCAGTGGCCTGTCCGTGGAAGAGTACAAGCTGATCCTGTCCA
 CAGACACTTTGGAGGAGTTTCAAGAGATGAATAAGAGTGTGTGGAGGAACTGCAGGAGAAGTTTGCGCC
 CACAAGGCCCGAGGAGAAGCACAGAGCCTGGACTCGGGTCTGTCCCGCCACCGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001108528
Insert Size: 411 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<ol style="list-style-type: none">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:	<u>NM_001108528.1</u> , <u>NP_001101998.1</u>
RefSeq Size:	501 bp
RefSeq ORF:	411 bp
Locus ID:	361805
UniProt ID:	<u>B5DFN3</u>
Cytogenetics:	20p12
Gene Summary:	Required for the assembly of the ubiquinol-cytochrome c reductase complex (mitochondrial respiratory chain complex III or cytochrome b-c1 complex). Plays a role in the modulation of respiratory chain activities such as oxygen consumption and ATP production and via its modulation of the respiratory chain activity can regulate skeletal muscle differentiation and insulin secretion by pancreatic beta-cells. Involved in cytochrome b translation and/or stability.[UniProtKB/Swiss-Prot Function]