

Product datasheet for **RR210980**

Uqcrq (NM_001025134) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uqcrq (NM_001025134) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Uqcrq
Synonyms: Qpc
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210980 representing NM_001025134
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCCGCGAGTTTGGGAACCTGACGCGGATACGGCATGTGATCTCCTACAGCTTGTGCGCCCTTTGAGC
AGCGCGCCTTCCCGCACTATTTACAGCAAAGGCATCCCCAACGTGCTGCGCCGCACTCGCGAGCGCATCCT
GCGCGTGGCGCCCATTTGTACTGTTCTATCTGATCTACACATGGGGCAACCAGGAGTTTGCGCAGTCC
AAACGGAAGAATCCAGCTAAGTACGAGAATGACAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210980 representing NM_001025134
Red=Cloning site Green=Tags(s)

MGREFGNLTRIRHVISYSLSPFEQRAFPHYFSKGI PNVLRRTRERILRVAPPFVLFYLIYTWGNQEFQAQS
KRKNPAKYENDK

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

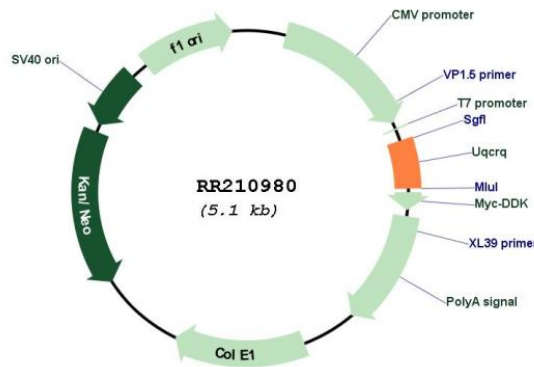


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001025134

ORF Size: 246 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:	<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_001025134.1</u> , <u>NP_001020305.1</u>
RefSeq Size:	1494 bp
RefSeq ORF:	249 bp
Locus ID:	497902
UniProt ID:	<u>Q7TQ16</u>
Cytogenetics:	10q22
MW:	9.8 kDa
Gene Summary:	This is a component of the ubiquinol-cytochrome c reductase complex (complex III or cytochrome b-c1 complex), which is part of the mitochondrial respiratory chain. This subunit, together with cytochrome b, binds to ubiquinone (By similarity).[UniProtKB/Swiss-Prot Function]