

Product datasheet for **RC235511**

UQCRH (NM_001297566) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UQCRH (NM_001297566) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UQCRH
Synonyms: QCR6; UQCR8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC235511 representing NM_001297566
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGACTGGAGGACGAGCAAAGATGCTTACCGAATCCGGAGATCCTGAGGAGGATCCCCTAACAAACAG
TGAGAGAGCAATGCGAGCAGTTGGAGAAATGTGTAAGGCCCGGGAGCGGCTAGAGCTCTGTGATGAGCG
TGTATCCTCTCGATCACATACAGAAGAGGATTGCACGGAGGAGCTTTTGACTTCTGCATGCGAGGGAC
CATTGCGTGGCCCAAACCTCTTAACAACTTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235511 representing NM_001297566
Red=Cloning site Green=Tags(s)

MGLEDEQKMLTESGDPEEDPLTTVREQCEQLEKCVKARERLELCDERVSSRSHTTEEDCTEELFDLHARD
HCVAHKLFNNLK

TRTRPLEQK**L**ISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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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:	NM_001297566.2
RefSeq Size:	596 bp
RefSeq ORF:	249 bp
Locus ID:	7388
Cytogenetics:	1p33
Protein Families:	Druggable Genome
Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	10.1 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 protein may mediate formation of the complex between cytochromes c and c1.[UniProtKB/Swiss-Prot Function]