

Product datasheet for **RC220688**

Cytochrome b c1 complex subunit 9 (UQCR10) (NM_001003684) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cytochrome b c1 complex subunit 9 (UQCR10) (NM_001003684) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UQCR10
Synonyms: HSPC051; HSPC119; HSPC151; QCR9; UCCR7.2; UCRC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC220688 representing NM_001003684
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCCGCGACGTTGACTTCGAAATTGTACTCCCTGCTGTTCCGCAGGACCTCCACCTTCGCCCTCA
CCATCATCGTGGCGTCATGTTCTTCGAGCGGCCTTCGATCAAGGCGCGGACGCTATCTACGACCACAT
CAACGAGGGGGTGAGGGCCTGTCCATCCCTGACCTTGACCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220688 representing NM_001003684
Red=Cloning site Green=Tags(s)
MAAATLSKLYSLLFRRTSTFALTIIVGMFFERAFDQGADAIYDHINEGVRACAIPLGPA
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

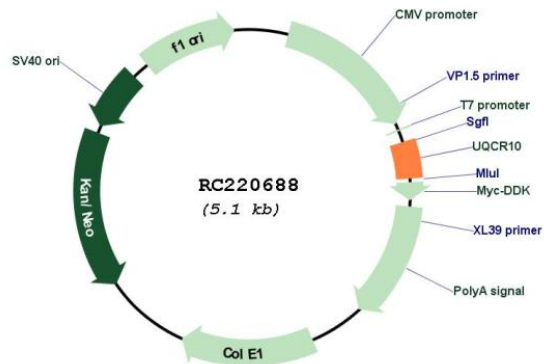


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001003684
 ORF Size: 186 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:	NM_001003684.1 , NP_001003684.1
RefSeq Size:	993 bp
RefSeq ORF:	189 bp
Locus ID:	29796
UniProt ID:	Q9UDW1
Cytogenetics:	22q12.2
Protein Families:	Transmembrane
Protein Pathways:	Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease
MW:	6.6 kDa
Gene Summary:	UCRC is a subunit of mitochondrial complex III (ubiquinol-cytochrome c reductase; EC 1.10.2.2), which forms the middle segment of the respiratory chain of the inner mitochondrial membrane (Schagger et al., 1995 [PubMed 8592474]).[supplied by OMIM, Mar 2008]