

Product datasheet for SC115241

Cytochrome b c1 complex subunit 9 (UQCR10) (NM_013387) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cytochrome b c1 complex subunit 9 (UQCR10) (NM_013387) Human Untagged Clone
Tag:	Tag Free
Symbol:	Cytochrome b c1 complex subunit 9
Synonyms:	HSPC051; HSPC119; HSPC151; QCR9; UCCR7.2; UCRC
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115241 sequence for NM_013387 edited (data generated by NextGen Sequencing)

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ATGGCGGCCGCGACGTTGACTTCGAAATTGTA CTCCCTGCTGTTCCG CAGGACCTCCACC
TTCGCCCTCACCATCATCGTGGCGTCATGTTCTTCGAGCGCGCCTTCGATCAAGGCGCG
GACGCTATCTACGACCACATCAACGAGGGGAAGCTGTGGAACACATCAAGCACAAAGTAT
GAGAACAAGTAG
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Clone variation with respect to NM_013387.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_013387 unedited
CGACTCACTATAGGGCGCCGCGAATTCGCGACGAGGGGACTGTGAAGAAACATGGCGGG
CGCGACGTTGACTTCGAAATTGTA CTCCCTGCTGTTCCG CAGGACCTCCACCTTCGCCCT
CACCATCATCGTGGGCGTCATGTTCTTCGAGCGCGCCTTCGATCAAGGCGGGACGCTAT
CTACGACCACATCAACGAGGGGAAGCTGTGGAACACATCAAGCACAAAGTATGAGAACA
GTAGTTCCTTGGAGGCCCCCATCCAGGCCAGAAGGACCAGGTCCACCCAGCAGCTGTTTG
CCCAGAGCTGGAGCCTCAGCTTGAAGATGATGCTCAAGTACTCTTCATGGACCACCATT
CGCTGTTGGCAAGAAACGGCTTTACTTACAAAACAGACTCTTTACCTTCTGCTGTTTTG
AAGTATGTTTAGTCAGCATGCTCAGGAAATAAATGTGAATTGCCCTTGAAAAAAAAAAAA
AAAAAAGTTCGACTCTAGATTGCGGCCGCGTCATAGCTGTTTCCTGAACAGATCCCGGGT
GGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGC
CCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTTGTCTGACTAGGTGTCCTTCT
ATATATTATGGGGTGGGGGGGGTGGGNATTGGAGACAAAGGGGCAAAATNGGAAAGAAC
AACCTGTANGGGCCCTGCGGTGTCTATTGGNGAACAAAGCTGGAGTGCAGTGGCACAAA
TCTGGGCTCACTGNCATCTCCGCTNCTGGGTCAAAGCGATNCTCTGCCTCAGCTNCCGA
GTGNNTGGATTACGATGCATGACCAGCTCACTAATTTTTGTTTTTTGTTAGAAAGGGGT
TTCACATANTTGGCAGCGTGTCTNCACTNCTATCTTCAGGGATCTACCCACTGGCCTNC
CAANNTGCTGGATNACAGNCGTGAACCACTGTTT
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_013387 unedited GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAGGGCAATTCACATTTATTTCTG AGCATGCTGACTAAACATACTTCAAACACAGCAGAAGGTAAGAGTCTGTTTTGTAAGTA AAGCCGTTTCTTGCCAACAGCGAATGGTGGTCCATGAAGAGTACCTTGAGCATCATCTTC AAGCTGAGGCTCCAGCTCTGGGCAAACAGCTGCTGGGTGGACCTGGTCTTCTGGCCTGG ATGGGGGCCTCCAAGGAAGTACTTGTTCATACTTGTGCTTGATGTGTTCCACAGCTT CCCCTCGTTGATGTGGTCGTAATAAGCGTCCGCGCCTTGATCGAAGGCGCGCTCGAAGAA CATGACGCCACGATGATGGTGAGGGCGAAGGTGGAGGTCTGCGGAACAGCAGGGAGTA CAATTTGGAAGTCAACGTCGCGGCCCATGTTTCTTACAGTCCCCTCGTGCCGAATTC GCGGCCGCCATAGTGAGTCGTATTACAAAATTCTGACGGTTCATAAACGAGCTCTGC TTATATAGACCTCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTTAT TACGACATTTGGAAAGTCCCGTTGATTTTGGTGCCAAAACATACTCCCATTGACGTCAA TGGGGTGGAGACTTGGAAANTCCCGTGAGTCATACCGCTATCCACGCCATTGTTGACT GCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGTANATGTACTGCCAAGTAN GAATATCCCGTAAAGTCATGTACTGGGCATAATGCCAGGCCGCCATTTACCGTCATTGA CGTCAATGGGGGCGGACCTGGCATATGATCACTTGATGTACTGCCAGGGGCGAGTTACCG TAATACTCCACCTTGACCTCATGAAAGTCCCTATGGCGTACTATGGAAGTACCTCTTTTG ACGCAATGGCGGGGCGCTTGGCGGTCATCCAGCGGCCCTTACGTAGTTATGACCGGATCC
Restriction Sites:	NotI-NotI
ACCN:	NM_013387
Insert Size:	480 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).
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_013387.3 , NP_037519.2
RefSeq Size:	934 bp
RefSeq ORF:	192 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
- 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]
Transcript Variant: This variant (1) encodes the longer and predominant isoform (a).