

## Product datasheet for **SC300513**

### Cytochrome b c1 complex subunit 9 (UQCR10) (NM\_001003684) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cytochrome b c1 complex subunit 9 (UQCR10) (NM_001003684) Human Untagged Clone
Tag:	Tag Free
Symbol:	UQCR10
Synonyms:	HSPC051; HSPC119; HSPC151; QCR9; UCCR7.2; UCRC
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001003684, the custom clone sequence may differ by one or more nucleotides ATGGCGGCCGCGACGTTGACTTCGAAATTGTA CTCCCTGCTGTTCCGAGGACCTCCACC TTCGCCCTCACCATCATCGTGGCGTCATGTTCTTCGAGCGCGCCTTCGATCAAGGCGCG GACGCTATCTACGACCACATCAACGAGGGGGTGAGGGCCTGTGCCATCCCTGACCTTGA CCCGCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001003684
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>



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RefSeq:	<a href="#">NM_001003684.1</a> , <a href="#">NP_001003684.1</a>
RefSeq Size:	993 bp
RefSeq ORF:	189 bp
Locus ID:	29796
UniProt ID:	<a href="#">Q9UDW1</a>
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:	<p>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]</p> <p>Transcript Variant: This variant uses an alternate splice site at the 3' end of the first exon compared to variant 1, that causes a frameshift. The resulting isoform (b) is shorter and has a distinct C-terminus compared to isoform a.</p>