

Product datasheet for **SC324450**

Ubiquinol Cytochrome C Reductase Core Protein I (UQCRC1) (NM_003365) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Ubiquinol Cytochrome C Reductase Core Protein I (UQCRC1) (NM_003365) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ubiquinol Cytochrome C Reductase Core Protein I |
| Synonyms: | D3S3191; QCR1; UQCR1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_003365.2
 CGACTGCAGCTGGAAGATGGCGGCGTCCGTGGTCTGTCGGGCCGCTACCGCCGGGGCACA
 AGTGCTATTGCGCGCCCGCCGCTCGCCGGCCCTGCTGCGGACGCCAGCCTTGCGGAGTAC
 GGCAACCTTCGCTCAGGCGCTCCAGTTCGTGCCGGAGACGCAGGTTAGCCTGCTGGACAA
 CGGCCTGCGTGTGGCCTCCGAGCAGTCTCTCAGCCCCTTGACGGTGGGAGTGTGGAT
 TGATGTTGGCAGCCGTTTTGAGACTGAGAAGAATAATGGGGCAGGCTACTTTTTGGAGCA
 TCTGGCTTTCAAGGGAACAAAGAATCGGCCTGGCAGTGCCTGGAGAAGGAGGTGGAGAG
 CATGGGGGCCCATCTTAATGCCTACAGCACCCGGGAGCACACAGCTTACTACATCAAGGC
 GCTGTCCAAGGATCTGCCGAAAGCTGTGGAGCTCCTGGGTGACATTGTGCAGAACTGTAG
 TCTGGAAGACTCACAGATTGAGAAGGAACGTGATGTGATCCTGCGGGAGATGCAGGAGAA
 TGATGCATCTATGCGAGATGTGGTCTTTAACTACCTGCATGCCACAGCATTCCAGGGCAC
 ACCTCTAGCCCAGGCTGTGGAGGGGCCAGTGAGAATGTCAGGAAGCTGTCTCGTGCAGA
 CTTGACCGAGTACCTCAGCACACATTACAAGGCCCTCGAATGGTGTGGCAGCAGCTGG
 AGGAGTGGAGCACCAGCAACTGTTAGACCTCGCCAGAAGCACCTCGGTGGCATCCCATG
 GACATATGCAGAGACGCTGTGCCACTTACTCCATGCCGTTCACTGGCAGTGAGAT
 CCGCCACCGTGATGATGCTCTACCTTTTGCCACGTGGCCATTGCAGTAGAGGTCTGG
 CTGGGCCAGCCCGACAATGTGGCCTTGAAGTGGCCAATGCCATCATCGGCCACTATGA
 CTGCACTTATGGTGGTGGCGTGCACCTGTCCAGCCCCTGGCTTCAGGTGCTGTGGCCAA
 CAAGCTATGCCAGAGTTTCCAGACCTTCAGCATCTGCTATGCAGAGACGGGCTTGTGGG
 TGCACACTTTGTCTGTGACCGAATGAAAATCGATGACATGATGTTCTGCTGCAAGGGCA
 GTGGATGCGCCTGTGTACCAGTGCCACGGAGAGTGAGGTGGCCCGGGGCAAAAACATCCT
 CAGAAAATGCCCTGGTATCTCATCTAGATGGCACTACTCCTGTGTGTGAGGACATCGGACG
 CAGCCTCCTGACCTATGGCCCGCCGATCCCCCTGGTGAATGGGAAAGCCGGATTGCGGA
 GGTGGATGCCAGTGTGGTACGTGAGATCTGCTCCAAGTACATCTATGACCAGTGCCGAGC
 AGTGGCTGGATATGGCCCCATTGAGCAGCTCCCAGACTACAACCGGATCCGTAGCGGCAT
 GTTCTGGCTGCGCTTCTAGGCGGGAAGCCTATGTAAGCAAGAGGGCAGGGCCGGGTTTG
 TGGTCCCCCCCCACCACAAACACAGCACTTCGGCTCCTCTAACCTGTGCCACAGGTGAC
 CACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003365

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).

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| 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_003365.2 , NP_003356.2 |
| RefSeq Size: | 1636 bp |
| RefSeq ORF: | 1443 bp |
| Locus ID: | 7384 |
| UniProt ID: | P31930 |
| Cytogenetics: | 3p21.31 |
| Domains: | Peptidase_M16, Peptidase_M16_C |
| Protein Families: | Druggable Genome, Protease |
| Protein Pathways: | Alzheimer's disease, Cardiac muscle contraction, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease |
| 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] |