

Product datasheet for **SC200949**

COQ6 (NM_182476) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: COQ6 (NM_182476) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: COQ6
Synonyms: CGI-10; CGI10; COQ10D6
ACCN: NM_182476
Insert Size: 701 bp
Insert Sequence: >SC200949 3'UTR clone of NM_182476
The sequence shown below is from the reference sequence of NM_182476. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAACAGATTATGGCCTTTGCAAGCAAATGAGTACTCCTCTCCTAAAGAAAGATTACGTTGATGAAAAAG
AACATCCTGCCAGGACCCATCATACATATTTCAAGATCTTATTTAATTTAATAAACTTACTTTACAT
TAAAATTCCTTTTTCTCTTTGCTTAATGGCCCTGTGGCACCCAAATAATGAATGATAATTTGCTGTG
AGGAGCGTATATTAGCCAGACCAAGGAAAAAACTTCGAAGGAAGACTTACAATTTGGTTGAAAAGAGC
TTTTTATTACTAAAAACCCACAAGGTGCTGTCTCACTCATTTCAGTTAATCATTTCTAAAGAGAAAA
TTTACATTTTGTGTTTTGTTTAAATGTTGGTCATAAATTTATACAGTTGTTTTTTGATAGAGGTAAGAAT
TAGACTCGATGCATTTTTGTTAGAATTGCTGTTTAAATGTTAACATCAGAATGCAAATTAATATAAAT
TGCTTTAACCTTTGTTACAGGTACTGGACTTTCTGAAAGGAAAACCAGGTCTCATTAAATGCTAGTTA
TTACTTTATCACAGCACCAGATTTCCATTTTATTTATGGTTCTCTCTGGGACCACTGTCCGTTTAA
TAAAACAATAAATAATTCATTGCACAGATCCGAAGACCTCAGGAACCAGATCACAAGGGAACCGATTA
GCAGCAGAATT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



[View online »](#)

Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_182476.3
Summary:	The protein encoded by this gene belongs to the ubiH/COQ6 family. It is an evolutionarily conserved monooxygenase required for the biosynthesis of coenzyme Q10 (or ubiquinone), which is an essential component of the mitochondrial electron transport chain, and one of the most potent lipophilic antioxidants implicated in the protection of cell damage by reactive oxygen species. Knockdown of this gene in mouse and zebrafish results in decreased growth due to increased apoptosis. Mutations in this gene are associated with autosomal recessive coenzyme Q10 deficiency-6 (COQ10D6), which manifests as nephrotic syndrome with sensorineural deafness. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jun 2012]
Locus ID:	51004
MW:	27.6