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Product datasheet for SC205261

COQ2 (NM_015697) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	COQ2 (NM_015697) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	COQ2
Synonyms:	CL640; COQ10D1; MSA1; PHB:PPT
ACCN:	NM_015697
Insert Size:	405 bp
Insert Sequence:	>SC205261 3'UTR clone of NM_015697 The sequence shown below is from the reference sequence of NM_015697. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AAGGGTATAGAGAATAAAATAGAAAATTAATGAATGAAATTTATCTAGGAATTTTTAAAACATTTTTTA CAAAATATAATTAGATTTGAATACAAAATCTGATACAATATGTTAAAGAATTAAGAACCTGAAGATGAA GATTTAGAGCATATTTACCTGGATTTTACTTATTTGCTAGCAAAATTCCCCCTTGTCACAGAAACCAGG GACTCTTCAGGATTTGAGATGGCCTTGAGTATTTTAGTTGATACATTCTTCTGCCCATTATAATTCTCA CCTGAAGTTATGGGGATTGCACGGGTTTTGGCACTTTAGAAAAAGCCTGATGTGGGTCTTACATAAATG AATGTCTGTATAAGAAAATGGACTCTTTTTTTTAGGGAAAAATAAAAGCAACTATGGGAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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).
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_015697.9

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Summary:	This gene encodes an enzyme that functions in the final steps in the biosynthesis of CoQ (ubiquinone), a redox carrier in the mitochondrial respiratory chain and a lipid-soluble antioxidant. This enzyme, which is part of the coenzyme Q10 pathway, catalyzes the prenylation of parahydroxybenzoate with an all-trans polyprenyl group. Mutations in this gene cause coenzyme Q10 deficiency, a mitochondrial encephalomyopathy, and also COQ2 nephropathy, an inherited form of mitochondriopathy with primary renal involvement. [provided by RefSeq, Oct 2009]
Locus ID:	27235
MW:	16.1