

Product datasheet for **MC208306**

Coq7 (NM_009940) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Coq7 (NM_009940) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Coq7
Synonyms:	clk-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC208306 representing NM_009940 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCGCCGCCGAGCCATAGCGGCTGCTTCCGTGGGACGCCTGCGCACTGGTGTCCGGAGGCCCTTCT
CAGAGTATGGAAGAGGCCTCATCATCAGGTGTACAGTTCGGGGATGACCTTAGACAATATTAACCGGGC
AGCCGTGGATCGAATAATTCGGGTGGATCACGCTGGTGAATATGGAGCAAACCGCATCTATGCAGGGCAA
ATGGCCGTGCTCGGTCCGACCAAGTGTGGCCCTGTCAATCAGAAAATGTGGGATCAAGAGAAGAACCATT
TGAAAAAGTTCAACGAGTTGATGATTGCATTCAGGGTCCGACCTACGGTTTTGATGCCCTTGTTGGAACGT
GGCAGGCTTTGCCTGGGGCAGGAACTGCCTTGTGGGAAGGAAGGAGCAATGGCCTGCACCGTGGCG
GTAGAAGAGTCTATCGCTAATCACTACAACAACCAGATCCGCATGCTGATGGAAGAGGACCCTGAGAAGT
ATGAGGAGCTGCTGCAGGTCAAGCAGTTTCGCGATGAGGAGCTTGAACACCACGATACAGGCCTGGA
CCATGACGCAGAGCTGGCTCCCGCATGCCTTGTGAAGAGGATTATCCAGGCCGGATGCAGTGCAGCC
ATATATTTATCAGAAAGGTTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_009940
Insert Size:	654 bp



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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_009940.3 , NP_034070.1
RefSeq Size:	944 bp
RefSeq ORF:	654 bp
Locus ID:	12850
UniProt ID:	P97478
Cytogenetics:	7 63.44 cM
Gene Summary:	Catalyzes the hydroxylation of 2-polyprenyl-3-methyl-6-methoxy-1,4-benzoquinol (DMQH2) during ubiquinone biosynthesis. Has also a structural role in the COQ enzyme complex, stabilizing other COQ polypeptides (By similarity). Involved in lifespan determination in a ubiquinone-independent manner (PubMed:19478076).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).