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Product datasheet for SC334373

COA8 (NM_001302652) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COA8 (NM_001302652) Human Untagged Clone
Tag:	Tag Free
Symbol:	COA8
Synonyms:	APOP; APOP1; APOPT1; C14orf153; MC4DN17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001302652, the custom clone sequence may differ by one or more nucleotides

ATGCTGCCGTGCGCCGCGGGAGCCAGGGGGCGTGGGGCCATGGTGGTCTTGCGGGCGGGGAAGAAGACCT
TTCTCCCCCCTCTCTGCCGCGCCTTCGCCTGCCGCGGCTGTCAACTCGCTCCGGAGCGCGGCGCCGAGCG
CAGGGATACGGCGCCCAGCGGGGTCTCAAGATTCTGCCCTCCAAGAAAGTCTTGCCATGATTGGATAGGA
CCCCCAGATAAATATTCAAACCTTCGACCTGTTCACTTTTACATACCTGAAAATGAATCTCCATTGGAAC
AAAAGCTTAGAAAATTAAGACAAGAAACACAAGAATGGAATCAACAGTTCTGGGCAAACCAGAATTTGAC
TTTTAGTAAGGAAAAAGAAGAATTTATTCACTCAAGACTAAAAACTAAAGGCCTGGGCCTGAGAACTGAA
TCAGGTCAGAAAGCAACATTGAATGCAGAAGAAATGGCGGACTTCTACAAGGAATTTTTAAGTAAAAATT
TTCAGAAGCACATGTATTATAACAGATTGGTACAAGCGCAATTTTGCCATCACCTTCTTCATGGGAAAAG
TGGCCCTGGAAAGGATTTGGAACAAGCTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001302652
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).

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Reconstitution Method:	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_001302652.1, NP_001289581.1
RefSeq Size:	1247 bp
RefSeq ORF:	591 bp
Locus ID:	84334
UniProt ID:	Q96IL0
Cytogenetics:	14q32.33
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a protein that localizes to the mitochondria, where it stimulates the release of cytochrome c, thereby promoting programmed cell death. Mutations in this gene have been found in individuals with mitochondrial complex IV deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014] Transcript Variant: This variant (2) has a shorter 3' UTR, and uses an alternate splice site in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct, shorter C-terminus than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.