

## Product datasheet for **RG236479**

### COA8 (NM\_001302652) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COA8 (NM\_001302652) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** COA8  
**Synonyms:** APOP; APOP1; APOPT1; C14orf153; MC4DN17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236479 representing NM\_001302652.  
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC  
ATGCTGCCGTGCCCGCGGGAGCCAGGGGGCGTGGGGCCATGGTGGTCTTGCGGGCGGGGAAGAAGACC  
TTTCTCCCCCTCTGCGCGCCTTCGCTGCCCGGCTGTCAACTCGTCCGGAGCGCGCGCCGAG  
CGCAGGGATACGGCGCCAGCGGGTCTCAAGATTCTGCCCTCCAAGAAAGTCTGCCATGATTGGATA  
GGACCCAGATAAATATCAAACCTTCGACCTGTTCACTTTACATACCTGAAAATGAATCTCCATTG  
GAACAAAAGCTTAGAAAATTAAGACAAGAAACACAAGAATGGAATCAACAGTTCTGGCAAACAGAAAT  
TTGACTTTTAGTAAGAAAAAGAAGAAATTTATCACTCAAGACTAAAACTAAAGGCCTGGCCTGAGA  
ACTGAATCAGGTACAGAAACAACATTGAATGCAGAAGAAATGGCGGACTTCTACAAGGAATTTTAAAGT  
AAAAATTTTCAGAAACACATGTATTATAACAGATTGGTACAAGCGCAATTTGCCATCACCTTCTCAT  
GGGAAAAGTGGCCCTGGAAGGATTTGGAACAAGCT  
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

**Protein Sequence:** >Peptide sequence encoded by RG236479  
Blue=ORF Red=Cloning site Green=Tag(s)

MLPCAAGARGAMVVLKAGKTFLLPPLCRAFACRGCQLAPERGAERRDTAPSGVSRFCPPRKSCHDWI  
 GPPDKYSNLRPVHFYIPENESPLEQKLRKLRQETQEWNQFWANQLTFSKEKEEFIHSLRKTGKGLGLR  
 TESGQKATLNAEEMADFYKEFLSKNFQKHMYYNRLVQAQFCHLLHKGSGPGKDLEQA  
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

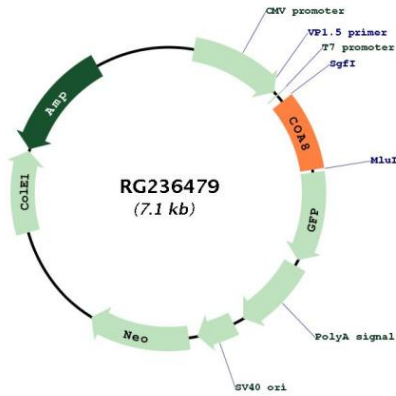
**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


- ACCN:** NM\_001302652
- ORF Size:** 588 bp
- OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
- OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
- 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).
- RefSeq:** [NM\\_001302652.1](#), [NP\\_001289581.1](#)
- RefSeq Size:** 1247 bp
- RefSeq ORF:** 552 bp
- Locus ID:** 84334
- UniProt ID:** [Q96IL0](#)
- Cytogenetics:** 14q32.33
- Protein Families:** Secreted Protein
- MW:** 22.9 kDa
- 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]

Product images:



Circular map for RG236479