

Product datasheet for **SC327755**

APOPT1 (NM_032374) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APOPT1 (NM_032374) Human Untagged Clone
Tag:	Tag Free
Symbol:	APOPT1
Synonyms:	APOP; APOP1; C14orf153
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327755 representing NM_032374. Blue=Insert sequence Red=Cloning site Green=Tag(s)

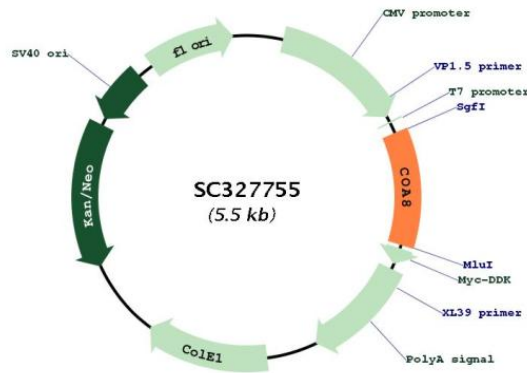
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGCTGCCGTGCCCGCGGGAGCCAGGGGGCGTGGGGCCATGGTGGTCTTGCGGGCGGGGAAGAAGACC
TTTCTCCCCCTCTGCCGCGCCTTCGCTGCCGCGGTGTCAACTCGCTCCGGAGCGCGGCCGAG
CGCAGGGATACGGCGCCAGCGGGTCTCAAGATTCTGCCCTCCAAGAAAGTCTTGCCATGATTGGATA
GGACCCCAAGATAAATATTCAAACCTTCGACCTGTTCACTTTTACATACCTGAAAATGAATCTCCATTG
GAACAAAAGCTTAGAAAATTAAGACAAGAAACACAAGAATGGAATCAACAGTTCTGGCAAACAGAAAT
TTGACTTTTAGTAAGAAAAGAAGAATTTATTCACTCAAGACTAAAACTAAAGCCTGGCCTGAGA
ACTGAATCAGGTAGAAAGCAACATTGAATGCAGAAGAAATGGCGGACTTCTACAAGGAATTTTAAAGT
AAAAATTTTACAGAACACATGTATTATAACAGAGATTGGTACAAGCGCAATTTTGCCATCACCTTCTTC
ATGGGAAAAGTGGCCCTGGAAAGGATTTGGAACAAGCTTAAACAGAAACAAAAGAAGAGGAGCAAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_032374

Insert Size: 621 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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_032374.4](#)

RefSeq Size: 2528 bp

RefSeq ORF: 621 bp

Locus ID: 84334

UniProt ID: [Q96IL0](#)

Cytogenetics: 14q32.33

Protein Families: Secreted Protein

MW: 24.2 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).