

Product datasheet for **RN214751**

Apopt1 (NM_001037769) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apopt1 (NM_001037769) Rat Untagged Clone
Tag: Tag Free
Symbol: Apopt1
Synonyms: APOP-1; Apop1; RGD1304719
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN214751 representing NM_001037769
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTTTGCGGCCCGGAAGCAAAGCTCTTCGCCGGCTGCTCTGCCGGTCTTCTCCGGCGCGGCG
TTCGGCTGGCCCGTGAGCGCGCTACGGAGCGCAGGGATGCTGCGTCCAGCCGGGTCTCAAGATTCTGCC
TCCGAGACAGTCTTGCCATGATTGGATAGGCCCCAGACAAATACTCCAACCTTCGTCTGTTCAATTT
CATGTCCCTGAAAATGAGTCTCCTTTGGAGCAAAGGCTTAGGGAATTGAGGCAAGAAACGCAGGAATGGA
ATCAGCAGTTCTGGCCAAGCAGAATCTGTCTTAATAAGGAAAAGGAAGATTCAATTAAGGCT
ACAAGCTAAAGGCTCAGGCCCGCAACCGAGTCAGGCCAAAGAGCAACGCTGGATGCCGAGGAGATGGCT
GACTTCTATAAGGACTTTCTGAGCAAGAATTTCCAGAAGCACATGTGCTATAACCGAGACTGGTACAAGC
GCAATTTTGCCATCACTTTCTTCATGGGAAGGTGGCCCTGGAGAGGATGTGGAGCAAGCTGAAGCAGAA
GCCAAAGAAGACAAGCGGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001037769
Insert Size: 582 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:	<u>NM_001037769.2</u> , <u>NP_001032858.1</u>
RefSeq Size:	820 bp
RefSeq ORF:	582 bp
Locus ID:	299341
UniProt ID:	<u>Q32Q90</u>
Cytogenetics:	6q32
Gene Summary:	Plays a role in the regulation of apoptosis. Mediates mitochondria-induced cell death in vascular smooth muscle cells through the release of cytochrome c from mitochondria, followed by the activation of the caspase cascade.[UniProtKB/Swiss-Prot Function]