

Product datasheet for MR201850

Apopt1 (NM_026511) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apopt1 (NM_026511) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Apopt1
Synonyms: 1700081D05Rik; 2810002N01Rik; Apop-1; Apop1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201850 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTTTGCGGCCCGGAAGCAGAGCGCTTCGCCGGCTTCTCTGCCGGTCTTCTCCGGCGCGGGCG
GCGTTAGGTTGGCCCGTAGCGCCCTACGGATCACAGGGATGCGGCGTCCAGCCGGGTCTCAAGATTCTG
CCCTCAAAGACAGTCTTGCCATGATTGGATAGGCCCCAGACAAATGCTCAAACCTTCGTCGCCGTTTCAT
TTTCACATCCCTGAAAACGAGTCTCCCTGGAGCAAAGACTTAGAGAATTGAGACAAGAAACGCAAGAAT
GGAATCAACAGTTCTGGCCAAGCAGAACTTGTCCTCAATAAGGAAAAAGAAGAATTCATTTACTCAAG
ACTACAAGCTAAGGGCGCAGGCTTGCGGACTGAGTCAGGCCAAAGAGCAACGCTGGATGCAGAGGAGATG
GCCGACTTCTATAAGGACTTTCTGAGTAAGAAATTCAGAAAGCACATGCGCTATAACCGAGACTGGTACA
AGCGTAATTTTGCCATCACTTTCTTCATGGGGAAGGTGGTCTGGAGAGGATGTGGAGCAAGCTAAGGCA
AAAGAAGACAAGCAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201850 protein sequence
 Red=Cloning site Green=Tags(s)

MAALRPGSRALRRLCRSFSGGGVRLARERPTDHRDAASSRVSFRCPPRQSCHDWIGPPDKCSNLRPVH
FHIPENESPLEQRLRELQETQEWNQFWAKQNL SFNKEKEEF IYSRLQAKGAGLRTESGQRATLDAEEM
ADFYKDFLSKNFQKHMRYNRDWYKRNFAITFFMGKVLLERMWSKLRQKKTSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026511

ORF Size: 579 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).

- 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_026511.2](#), [NP_080787.1](#)

RefSeq Size: 1061 bp

RefSeq ORF: 579 bp

Locus ID: 68020

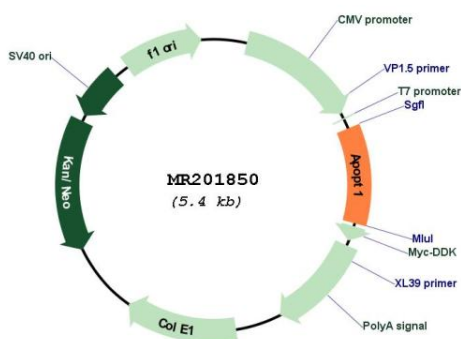
UniProt ID: [Q9CQW7](#)

Cytogenetics: 12 F1

MW: 22.7 kDa

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]

Product images:



Circular map for MR201850