

Product datasheet for MC203813

Apoa5 (NM_080434) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apoa5 (NM_080434) Mouse Untagged Clone
Tag: Tag Free
Symbol: Apoa5
Synonyms: 1300007O05Rik; Apoav; RAP3
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011198
GGCAGCCTGAGTTCAGGTTCCCTACTTTGTGACCGAGGGGCCATCGTGAAAGCATGGCTGCAGTCATC
ACTTGGGCCCTCGCCCTCCTCGCAGTGTTCGCAAGCACTCAGGCACGGAAGAGCCTCTGGGACTACTTCA
GCCAAAACAGTTGGAGCAAAGGCGTGATGGGCCAGCCACAGAAGCTGGCACAGGAGAACCTGAAAGGCAG
CTTCGAGCAAGACCTCTACAATATGAACAATTACCTAGAAAAGCTGGGACCCCTTGAGAGGGCCTGGGAAG
GAGCCTCCTCTGCTGGCCAGGACCCAGAAGGCATTTCGAAAACAGCTGCAGCAGGAGCTGGGGGAAGTGA
GCTCGCGCCTGGAGCCCTACATGGCTGCGAAGCACCAGCAGGTAGGCTGGAACCTTGAGGGCCTGAGGCA
GCAGTTGAAACCCTACACGGCGGAGCTGATGGAGCAGGTGGCCCTGAGTGTGCAGGAGCTGCAGGAGCAG
CTGCGCGTGGTGGGAGAAGACACCAAGGCTCAGCTCCTGGGGGGCGTGGACGAGGCCTGAACCTGCTAC
AGGACATGCAGAGTCGAGTGTGCACCAAGCCGACCGAGTCAAAGAGCTTCCACCCCTTACGCAGAACG
CTTGGTACTGGAATTGGGCACCACGTGCAGGAGCTGCACCGAGTGTGCTCCTCACGCAGCTGCCAGC
CCCGCGGACTCAGTCGCTGCGTGCAGACTCTGTCCCACAACTCACACGTAAGGCGAAGGACCTGCACA
CCAGCATCCAACGCAACCTGGACCAGCTGCGCGATGAGCTCAGTGCCTTCATCCGCGTCAGCACAGATGG
GGCGGAAGATGGAGATTCCCTGGACCCTCAGGCTCTCTCCGAGGAGCTCCGCCAGAGACTGCAGGCTTTT
CGGCATGACACCTACCTGCAGATTGCTGCATTTACTCAGGCCATTGACCAGGAGACAGAGGAAATTCAGC
ACCAGTAGCCCCACCCCGCTAGCCACAGCGCCTTCGCTCCTGAGCTGGGACACTCAGACAGTAATAA
GGCCCTGAGCAGACTGCAGAGCCGACTGGACGACCTGTGGGAAGATATTGCCTATGGCCTCAAGACCAG
GGTCATAGTCATTTGAGTGACCTGAGGGTCACTCCGGTTAACCTCCAGCTCATTGTCTGGACCCTGAG
CCGCTAGCATGGTCTATTAGGCAGAGGGTGGAGGGTCTGCACACCACCAAGGTGCTGTGCCAACCC
TACCCAGCCTCCTCAACTCCCCTACTCAGGGGCATTACACTCAGTAGGCTTTGCAAACCCAAAAA AAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_080434
Insert Size: 1107 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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: [BC011198](#), [AAH11198](#)

RefSeq Size: 1341 bp

RefSeq ORF: 1107 bp

Locus ID: 66113

UniProt ID: [Q8C7G5](#)

Cytogenetics: 9 A5.2

Gene Summary: Minor apolipoprotein mainly associated with HDL and to a lesser extent with VLDL. May also be associated with chylomicrons. Important determinant of plasma triglyceride (TG) levels by both being a potent stimulator of apo-CII lipoprotein lipase (LPL) TG hydrolysis and an inhibitor of the hepatic VLDL-TG production rate (without affecting the VLDL-apoB production rate). Activates poorly lecithin:cholesterol acyltransferase (LCAT) and does not enhance efflux of cholesterol from macrophages (By similarity).[UniProtKB/Swiss-Prot Function]