

Product datasheet for **MR227706**

Apoc3 (NM_001289833) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apoc3 (NM_001289833) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Apoc3
Synonyms: apo-CIII; apoC-III
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227706 representing NM_001289833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAAGCCTCCAAGACGGTCCAGGATGCGCTAAGTAGCGTGCAGGAGTCCGATATAGCTGTGGTGG
CCAGGGGCTGGATGGACAATCACTTCAGATCCCTGAAAGGCTACTGGAGCAAGTTTACTGACAAGTTCAC
CGGCTTCTGGGATTCTAACCTGAGGACCAACCAACTCCAGCTATTGAGTCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227706 representing NM_001289833
 Red=Cloning site Green=Tags(s)

MEQASKTVQDALSSVQESDIAVVARGWMDNHFRSLKGYWSKFTDKFTGFWDSNPEDQPTPAIES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

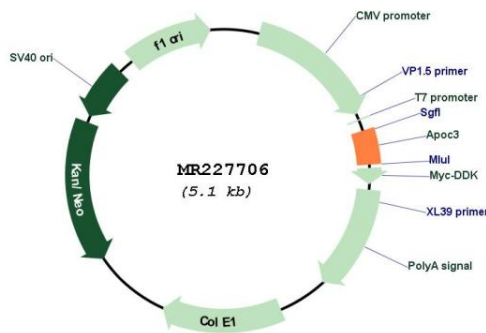


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RefSeq ORF: 195 bp
 Locus ID: 11814
 Cytogenetics: 9 25.36 cM
 MW: 7.7 kDa

Gene Summary: This gene encodes an apolipoprotein which is the major protein component of very-low-density lipoproteins (VLDL) and a minor component of high-density lipoproteins (HDL). The encoded protein is thought to regulate the metabolism of triglyceride-rich lipoproteins and play a role in lipid storage and the mobilization of fat cells. This gene is clustered with three other apolipoprotein genes on chromosome 9 and is associated with coronary disease. Mice lacking this gene have lower levels of total cholesterol in the plasma. Mutations in the human genes causes hyperalphalipoproteinemia 2, a disorder of lipid metabolism which results in a favorable lipid profile (lower LDL-cholesterol, higher HDL-cholesterol and lower levels of serum triglycerides when fasting and after a meal). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Product images:



Circular map for MR227706