

Product datasheet for **RC231694**

Apolipoprotein M (APOM) (NM_001256169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apolipoprotein M (APOM) (NM_001256169) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apolipoprotein M
Synonyms:	apo-M; G3a; HSPC336; NG20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231694 representing NM_001256169 Red=Cloning site Blue=ORF Green=Tags(s) TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCCGATCGC ATGGCTGCTGGCTCTGCCCCGATGCAGCTCCACCTTCGTGCTACCATCCGCATGAAAGATGGGCTCTGTG TGCCCCGAAATGGATCTACCACCTGACTGAAGGGAGCACAGATCTCAGAACTGAAGGCCGCCCTGACAT GAAGACTGAGCTCTTTCCAGCTCATGCCAGGTGGAATCATGCTGAATGAGACAGGCCAGGGTTACCAG CGCTTTCTCCTCTACAATCGCTCACCACATCCTCCGAAAAGTGTGTGGAGGAATTCAAGTCCCTGACTT CCTGCCTGGACTCAAAGCCTTCTATTGACTCCTAGGAATCAAGAGGCCTGTGAGCTGTCCAATAAC ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC231694 representing NM_001256169 Red=Cloning site Green=Tags(s) MAAGSAPMQLHLRATIRMKDGLCVPRKWIYHLTEGSTDLRTEGRPDMKTELFSSSCPGGIMLNETGQGYQ RFLLYNRSPHPPEKCVVEFKSLTSCLDKAFLLTPRNQEACELSN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI



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Cloning Scheme:



ACCN: NM 001256169

ORF Size: 348 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

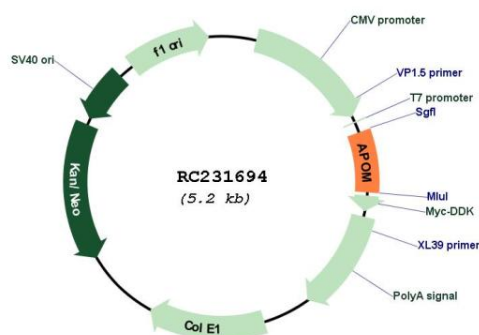
RefSeq: NM_001256169.2

RefSeq Size: 722 bp

RefSeq ORF: 351 bp
 Locus ID: 55937
 UniProt ID: [O95445](#)
 Cytogenetics: 6p21.33
 Protein Families: Secreted Protein
 MW: 13.5 kDa

Gene Summary: The protein encoded by this gene is an apolipoprotein and member of the lipocalin protein family. It is found associated with high density lipoproteins and to a lesser extent with low density lipoproteins and triglyceride-rich lipoproteins. The encoded protein is secreted through the plasma membrane but remains membrane-bound, where it is involved in lipid transport. Alternate splicing results in both coding and non-coding variants of this gene. [provided by RefSeq, Jan 2012]

Product images:



Circular map for RC231694