

Product datasheet for RG204679

OriGene Technologies, Inc.

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Apolipoprotein M (APOM) (NM_019101) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Apolipoprotein M (APOM) (NM_019101) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: Apolipoprotein M

Synonyms: apo-M; G3a; HSPC336; NG20

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG204679 representing NM_019101

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTTCCACCAAATTTGGGCAGCTCTGCTCTACTTCTATGGTATTATCCTTAACTCCATCTACCAGTGCC
CTGAGCACAGTCAACTGACAACTCTGGGCGTGGATGGGAAGGAGTTCCCAGAGGTCCACTTGGGCCAGTG
GTACTTTATCGCAGGGGCAGCTCCCACCAAGGAGGAGTTGGCAACTTTTGACCCTGTGGACAACATTGTC
TTCAATATGGCTGCTGGCTCTGCCCCGATGCAGCTCCACCTTCGTGCTACCATCCGCATGAAAGATGGGC
TCTGTGTGCCCCGGAAATGGATCTACCACCTGACTGAAGGGAGCACAGATCTCAGAACTGAAGGCCGCCC
TGACATGAAGACTGAGCTCTTTTCCAGCTCATGCCCAGGTGGAATCATGCTGAATGAGACAGGCCAGGGT
TACCAGCGCTTTCTCCTCTACAATCGCTCACCACATCCTCCCGAAAAAGTGTGTGGAGGAATTCAAGTCCC
TGACTTCCTGCCTGGACTCCAAAGCCTTCTTATTGACTCCTAGGAATCAAGAGGCCTGTGAGCTGTCCAA

TAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204679 representing NM_019101

Red=Cloning site Green=Tags(s)

MFHQIWAALLYFYGIILNSIYQCPEHSQLTTLGVDGKEFPEVHLGQWYFIAGAAPTKEELATFDPVDNIV FNMAAGSAPMOLHLRATIRMKDGLCVPRKWIYHLTEGSTDLRTEGRPDMKTELFSSSCPGGIMLNETGOG

YQRFLLYNRSPHPPEKCVEEFKSLTSCLDSKAFLLTPRNQEACELSNN

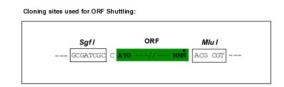
TRTRPLE - GFP Tag - V

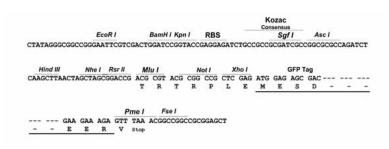
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





ACCN: NM_019101

ORF Size: 564 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 019101.3

 RefSeq Size:
 790 bp

 RefSeq ORF:
 567 bp

 Locus ID:
 55937

 UniProt ID:
 095445

 Cytogenetics:
 6p21.33



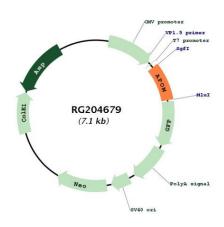
Protein Families:

Secreted Protein

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 RG204679