

## Product datasheet for **RG231694**

### 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:** TurboGFP  
**Symbol:** APOM  
**Synonyms:** apo-M; G3a; HSPC336; NG20  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231694 representing NM\_001256169  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

**ATGGCTGCTGGCTCTGCCCCGATGCAGCTCCACCTTCGTGCTACCATCCGCATGAAAGATGGGCTCTGTG**  
**TGCCCCGAAATGGATCTACCACCTGACTGAAGGGAGCACAGATCTCAGAACTGAAGGCCGCCCTGACAT**  
**GAAGACTGAGCTTTTTCCAGCTCATGCCAGGTGGAATCATGCTGAATGAGACAGGCCAGGTTACCAG**  
**CGCTTCTCCTCTACAATCGCTCACCACATCCTCCGAAAAGTGTGTGGAGGAATTCAAGTCCCTGACTT**  
**CCTGCCTGGACTCAAAGCCTTCTATTGACTCCTAGGAATCAAGAGGCCTGTGAGCTGTCCAATAAC**

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231694 representing NM\_001256169  
**Red**=Cloning site **Green**=Tags(s)  
MAAGSAPMQLHLRATIRMKDGLCVPRKWIYHLEGSTDLRTEGRPDMKTELFSSSCP GGIMLNETGQGYQ  
RFLLYNRSPHPPEKCVVEEFKSLTSCLDKAFLLTPRNQEACELSNN

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001256169.2</a></u>
<b>RefSeq Size:</b>	722 bp
<b>RefSeq ORF:</b>	351 bp
<b>Locus ID:</b>	55937
<b>UniProt ID:</b>	<u><a href="#">O95445</a></u>
<b>Cytogenetics:</b>	6p21.33
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	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]