

## Product datasheet for **MC208135**

### **Apoa2 (NM\_013474) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Apoa2 (NM\_013474) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Apoa2  
**Synonyms:** A; AI; Alp-2; Ap; Apo-All; Apoa-2; ApoA-II; ApoAll; Hdl-; Hdl-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208135 representing NM\_013474  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

**ATGAAGCTGCTCGCAATGGTCGCACTGCTGGTCACCATCTGTAGCCTGGAAGGAGCTTTGGTTAAGAGAC**  
**AGGCAGACGGACCGGATATGCAGAGCCTGTTCACTCAATACTTTCAGAGCATGACTGATTATGGCAAAGA**  
**TTTGATGGAGAAGCCAAGACCTCAGAGATTCAGAGCCAGGCCAAGGCATACTTTGAGAAGACACACGAG**  
**CAGCTGACACCCCTTGTCAAGTCAAGGAACTAGTCTGGTGAACCTCTCAGCAGTTTAAATGAACCTTG**  
**AGGAGAAACCGGCTCCTGCGGCTAAGTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_013474  
**Insert Size:** 309 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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).



[View online >](#)

**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\\_013474.2](#), [NP\\_038502.2](#)

**RefSeq Size:** 521 bp

**RefSeq ORF:** 309 bp

**Locus ID:** 11807

**UniProt ID:** [P09813](#)

**Cytogenetics:** 1 79.22 cM

**Gene Summary:** This gene encodes a component of high density lipoproteins (HDL). Mice lacking the encoded protein have low HDL-cholesterol levels, smaller HDL particles, increased clearance of triglyceride-rich lipoproteins and insulin hypersensitivity. Transgenic mice overexpressing the encoded protein have elevated levels of HDL-cholesterol and show increased susceptibility to atherosclerosis. Alternative splicing of this gene results in multiple variants. [provided by RefSeq, Mar 2015]

**Transcript Variant:** This variant (1) encodes the functional protein. Variants 1, 2, 3 and 4 encode the same protein.