

Product datasheet for **SC203947**

Apolipoprotein B (APOB) (NM_000384) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Apolipoprotein B (APOB) (NM_000384) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: APOB
Synonyms: apoB-48; apoB-100; FCHL2; FLDB; LDLCQ4
ACCN: NM_000384
Insert Size: 331 bp
Insert Sequence: >SC203947 3'UTR clone of NM_000384

The sequence shown below is from the reference sequence of NM_000384. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTCCAGGAGAACTTACTATCATCCTCTAATTTTTTAAAAGAAATCTTCATTTATTCTTTTCCAAT
TGAACTTTCACATAGCACAGAAAAATTCAAACTGCCTATATTGATAAAACCATACAGTGAGCCAGCCT
TGCAGTAGGCAGTAGACTATAAGCAGAAGCACATATGAACTGGACCTGCACCAAAGCTGGCACCAGGC
TCGGAAGGTCTCTGAACTCAGAAGGATGGCATTTTTTTGCAAGTTAAAGAAAATCAGGATCTGAGTTATT
TTGCTAAACTTGGGGGAGGAGGAACAAATAAATGGAGTCTTTATTGTGTATCATA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000384.3](#)



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Summary:

This gene product is the main apolipoprotein of chylomicrons and low density lipoproteins (LDL), and is the ligand for the LDL receptor. It occurs in plasma as two main isoforms, apoB-48 and apoB-100: the former is synthesized exclusively in the gut and the latter in the liver. The intestinal and the hepatic forms of apoB are encoded by a single gene from a single, very long mRNA. The two isoforms share a common N-terminal sequence. The shorter apoB-48 protein is produced after RNA editing of the apoB-100 transcript at residue 2180 (CAA->UAA), resulting in the creation of a stop codon, and early translation termination. Mutations in this gene or its regulatory region cause hypobetalipoproteinemia, normotriglyceridemic hypobetalipoproteinemia, and hypercholesterolemia due to ligand-defective apoB, diseases affecting plasma cholesterol and apoB levels. [provided by RefSeq, Dec 2019]

Locus ID:

338

MW:

12.9