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Product datasheet for SC202007

Apolipoprotein CIII (APOC3) (NM_000040) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Apolipoprotein CIII (APOC3) (NM_000040) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	APOC3
Synonyms:	APOCIII
ACCN:	NM_000040
Insert Size:	218 bp
Insert Sequence:	>SC202007 3'UTR clone of NM_000040 The sequence shown below is from the reference sequence of NM_000040. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTCAGACCAACTTCAGCCGTGGCTGCCTGAGACCTCAATACCCCAAGTCCACCTGCCTATCCATCCTGC GAGCTCCTTGGGTCCTGCAATCTCCAGGGCTGCCCCTGTAGGTTGCTTAAAAGGGACAGTATTCTCAGT GCTCTCCTACCCCACCTCATGCCTGGCCCCCCTCCAGGCATGCTGGCCTCCCAATAAAGCTGGACAAGA AGCTGCTATGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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_000040.3

View online »

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Summary: This gene encodes a protein component of triglyceride (TG)-rich lipoproteins (TRLs) including very low density lipoproteins (VLDL), high density lipoproteins (HDL) and chylomicrons. The encoded protein plays a role in role in the metabolism of these TRLs through multiple modes. This protein has been shown to promote the secretion of VLDL1, inhibit lipoprotein lipase enzyme activity, and delay catabolism of TRL remnants. Mutations in this gene are associated with low plasma triglyceride levels and reduced risk of ischemic cardiovascular disease, and hyperalphalipoproteinemia, which is characterized by elevated levels of high density lipoprotein (HDL) and HDL cholesterol in human patients. This gene and other related genes comprise an apolipoprotein gene cluster on chromosome 11. [provided by RefSeq, Sep 2017]

Locus ID: 345

MW: 7.6

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