

Product datasheet for **SC201994**

Apolipoprotein E (APOE) (NM_000041) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Apolipoprotein E (APOE) (NM_000041) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	APOE
Synonyms:	AD2; APO-E; ApoE4; LDLCQ5; LPG
ACCN:	NM_000041
Insert Size:	173 bp
Insert Sequence:	>SC201994 3'UTR clone of NM_000041 The sequence shown below is from the reference sequence of NM_000041. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCCGCCCTGTGCCAGCGACAATCAC TGA ACGCCGAAGCCTGCAGCCATGCGACCCACGCCACCCCG TGCTCCTGCCTCCGCGCAGCCTGCAGCGGGAGACCCTGTCCCCGCCAGCCGTCCTCCTGGGGTGA CCCTAGTTTAATAAAGATTCACCAAGTTTCACGCA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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_000041.4



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Summary: The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants. [provided by RefSeq, Jun 2016]

Locus ID: 348

MW: 6.1