

OriGene Technologies, Inc.

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Product datasheet for RC200395

Apolipoprotein E (APOE) (NM_000041) Human Tagged ORF Clone

Product data:

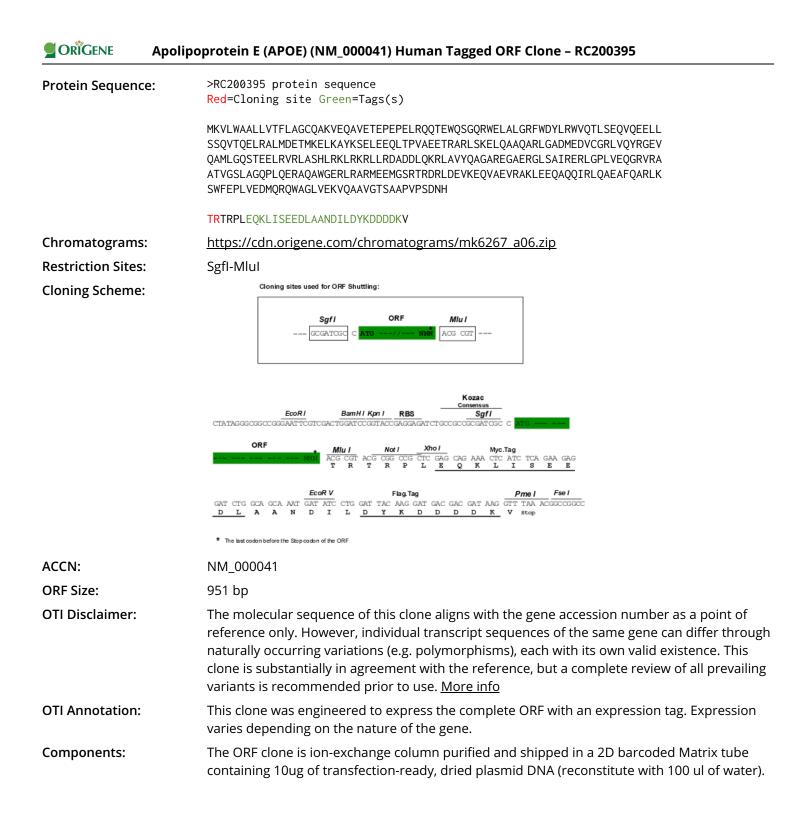
Product Type:	Expression Plasmids
Product Name:	Apolipoprotein E (APOE) (NM_000041) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apolipoprotein E
Synonyms:	AD2; APO-E; ApoE4; LDLCQ5; LPG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC200395 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA



View online :

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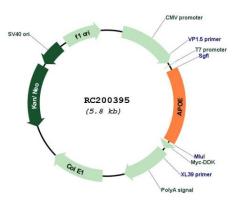
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	oprotein E (APOE) (NM_000041) Human Tagged ORF Clone – RC200395
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 000041.4</u>
RefSeq Size:	1223 bp
RefSeq ORF:	954 bp
Locus ID:	348
UniProt ID:	<u>P02649</u>
Cytogenetics:	19q13.32
Domains:	Apolipoprotein
Protein Families:	Adult stem cells, Druggable Genome, Secreted Protein, Stem cell - Pluripotency
Protein Pathways:	Alzheimer's disease
MW:	36.2 kDa
Gene 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]

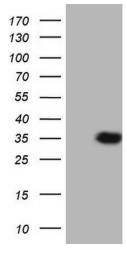
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Product images:

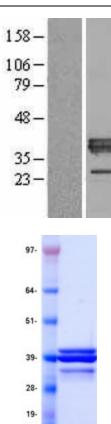


Circular map for RC200395



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY APOE (Cat# RC200395, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-APOE (Cat# [TA805358]). Positive lysates [LY424959] (100ug) and [LC424959] (20ug) can be purchased separately from OriGene.

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Western blot validation of overexpression lysate (Cat# [LY424959]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200395 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified APOE protein (Cat# [TP300395]). The protein was produced from HEK293T cells transfected with APOE cDNA clone (Cat# RC200395) using MegaTran 2.0 (Cat# [TT210002]).

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