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Product datasheet for RC208888L4V

Apolipoprotein CI (APOC1) (NM_001645) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Apolipoprotein CI (APOC1) (NM_001645) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Apolipoprotein CI
Synonyms:	Apo-CI; apo-CIB; ApoC-I; apoC-IB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001645
ORF Size:	249 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC208888).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001645.3
RefSeq Size:	464 bp
RefSeq ORF:	252 bp
Locus ID:	341
UniProt ID:	P02654
Cytogenetics:	19q13.32
Domains:	ApoC-I
Protein Families:	Secreted Protein

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MW: 9.3 kDa

Gene Summary: This gene encodes a member of the apolipoprotein C1 family. This gene is expressed primarily in the liver, and it is activated when monocytes differentiate into macrophages. The encoded protein plays a central role in high density lipoprotein (HDL) and very low density lipoprotein (VLDL) metabolism. This protein has also been shown to inhibit cholesteryl ester transfer protein in plasma. A pseudogene of this gene is located 4 kb downstream in the same orientation, on the same chromosome. This gene is mapped to chromosome 19, where it resides within a apolipoprotein gene cluster. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Sep 2016]