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Product datasheet for MR200301L4V

Apoc3 (NM_023114) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Apoc3 (NM_023114) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Apoc3
Synonyms:	apo-CIII; apoC-III
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023114
ORF Size:	297 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR200301).`
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_023114.2, NP_075603.1
RefSeq Size:	525 bp
RefSeq ORF:	300 bp
Locus ID:	11814
UniProt ID:	P33622
Cytogenetics:	9 25.36 cM

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Gene Summary: This gene encodes an apolipoprotein which is the major protein component of very-low-density lipoproteins (VLDL) and a minor component of high-density lipoproteins (HDL). The encoded protein is thought to regulate the metabolism of triglyceride-rich lipoproteins and play a role in lipid storage and the mobilization of fat cells. This gene is clustered with three other apolipoprotein genes on chromosome 9 and is associated with coronary disease. Mice lacking this gene have lower levels of total cholesterol in the plasma. Mutations in the human genes causes hyperalphalipoproteinemia 2, a disorder of lipid metabolism which results in a favorable lipid profile (lower LDL-cholesterol, higher HDL-cholesterol and lower levels of serum triglycerides when fasting and after a meal). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]