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Product datasheet for RC220398L2V

Liver Carboxylesterase 1 (CES1) (NM_001266) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Liver Carboxylesterase 1 (CES1) (NM_001266) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Liver Carboxylesterase 1
Synonyms:	ACAT; CE-1; CEH; CES2; hCE-1; HMSE; HMSE1; PCE-1; REH; SES1; TGH
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001266
ORF Size:	1698 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220398).
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_001266.4
RefSeq Size:	2021 bp
RefSeq ORF:	1701 bp
Locus ID:	1066
UniProt ID:	P23141
Cytogenetics:	16q12.2
Domains:	COesterase
Protein Families:	Druggable Genome

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Protein Pathways: Drug metabolism - other enzymes

MW: 62.39 kDa

Gene Summary: This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This enzyme is the major liver enzyme and functions in liver drug clearance. Mutations of this gene cause carboxylesterase 1 deficiency. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]