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Product datasheet for RC209042L1V

Cytochrome P450 17A1 (CYP17A1) (NM_000102) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cytochrome P450 17A1 (CYP17A1) (NM_000102) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cytochrome P450 17A1
Synonyms:	CPT7; CYP17; P450C17; S17AH
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000102
ORF Size:	1524 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209042).`
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_000102.2
RefSeq Size:	1755 bp
RefSeq ORF:	1527 bp
Locus ID:	1586
UniProt ID:	P05093
Cytogenetics:	10q24.32
Domains:	p450
Protein Families:	Druggable Genome, P450

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Protein Pathways: C21-Steroid hormone metabolism, Metabolic pathways

MW: 57.2 kDa

Gene Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum. It has both 17alpha-hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in this gene are associated with isolated steroid-17 alpha-hydroxylase deficiency, 17-alpha-hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia. [provided by RefSeq, Jul 2008]