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Product datasheet for RC207432L1V

Cytochrome P450 3A5 (CYP3A5) (NM_000777) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cytochrome P450 3A5 (CYP3A5) (NM_000777) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cytochrome P450 3A5
Synonyms:	CP35; CYPIIIA5; P450PCN3; PCN3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000777
ORF Size:	1506 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207432).`
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_000777.2
RefSeq Size:	1755 bp
RefSeq ORF:	1509 bp
Locus ID:	1577
UniProt ID:	P20815
Cytogenetics:	7q22.1
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane

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Protein Pathways: Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Linoleic acid metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism

MW: 57.1 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. The encoded protein metabolizes drugs as well as the steroid hormones testosterone and progesterone. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Two pseudogenes of this gene have been identified within this cluster on chromosome 7. Expression of this gene is widely variable among populations, and a single nucleotide polymorphism that affects transcript splicing has been associated with susceptibility to hypertensions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]