

Product datasheet for **RC204074L4V**

CYP1B1 (NM_000104) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CYP1B1 (NM_000104) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CYP1B1
Synonyms:	ASGD6; CP1B; CYP1B1; GLC3A; P4501B1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000104
ORF Size:	1629 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204074).
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_000104.2 , NP_000095.1
RefSeq Size:	5160 bp
RefSeq ORF:	1632 bp
Locus ID:	1545
UniProt ID:	Q16678
Cytogenetics:	2p22.2
Domains:	p450
Protein Families:	Druggable Genome, P450



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Protein Pathways: Metabolism of xenobiotics by cytochrome P450, Tryptophan metabolism

MW: 60.8 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 enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma; therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid. [provided by RefSeq, Jul 2008]