

## Product datasheet for **RC205446L1V**

### **CYP46 (CYP46A1) (NM\_006668) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	CYP46 (CYP46A1) (NM_006668) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CYP46
Synonyms:	CP46; CYP46
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_006668
ORF Size:	1500 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205446).
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. <a href="#">More info</a>
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:	<a href="#">NM_006668.1</a>
RefSeq Size:	2138 bp
RefSeq ORF:	1503 bp
Locus ID:	10858
UniProt ID:	<a href="#">Q9Y6A2</a>
Cytogenetics:	14q32.2
Protein Families:	Druggable Genome, P450
Protein Pathways:	Primary bile acid biosynthesis



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**MW:** 56.8 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. This endoplasmic reticulum protein is expressed in the brain, where it converts cholesterol to 24S-hydroxycholesterol. While cholesterol cannot pass the blood-brain barrier, 24S-hydroxycholesterol can be secreted in the brain into the circulation to be returned to the liver for catabolism. [provided by RefSeq, Jul 2008]