

Product datasheet for RC213527L3V

CYP2A7 (NM_000764) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CYP2A7 (NM_000764) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CYP2A7
Synonyms:	CPA7; CPAD; CYP2A; CYP11A7; P450-IIA4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000764
ORF Size:	1482 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213527).
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_000764.2 , NP_000755.2
RefSeq Size:	2281 bp
RefSeq ORF:	1485 bp
Locus ID:	1549
UniProt ID:	P20853
Cytogenetics:	19q13.2
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane



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Protein Pathways:	Caffeine metabolism, Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Metabolic pathways, Retinol metabolism
MW:	56.4 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; its substrate has not yet been determined. This gene, which produces two transcript variants, is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq, Jul 2008]