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# Product datasheet for RC211200L3V

## CYP2R1 (NM_024514) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | CYP2R1 (NM_024514) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | CYP2R1 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_024514 |
| **ORF Size:** | 1503 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC211200). |
| **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_024514.4 |
| **RefSeq Size:** | 1633 bp |
| **RefSeq ORF:** | 1506 bp |
| **Locus ID:** | 120227 |
| **UniProt ID:** | Q6VVX0 |
| **Cytogenetics:** | 11p15.2 |
| **Protein Families:** | Druggable Genome, P450, Transmembrane |
| **MW:** | 57.4 kDa |

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**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 enzyme is a microsomal vitamin D hydroxylase that converts vitamin D into the active ligand for the vitamin D receptor. A mutation in this gene has been associated with selective 25-hydroxyvitamin D deficiency. [provided by RefSeq, Jul 2008]