

Product datasheet for **RC231201L3V**

Cytochrome P450 2C8 (CYP2C8) (NM_001198854) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Cytochrome P450 2C8 (CYP2C8) (NM_001198854) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Cytochrome P450 2C8 |
| Synonyms: | CPC8; CYP2C8DM; CYP1IC8; MP-12/MP-20 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_001198854 |
| ORF Size: | 1164 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC231201). |
| 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_001198854.1 , NP_001185783.1 |
| RefSeq ORF: | 1167 bp |
| Locus ID: | 1558 |
| UniProt ID: | P10632 |
| Cytogenetics: | 10q23.33 |
| Protein Families: | Druggable Genome, P450, Transmembrane |
| Protein Pathways: | Arachidonic acid metabolism, Drug metabolism - cytochrome P450, Linoleic acid metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism |



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MW: 44.8 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 protein localizes to the endoplasmic reticulum and its expression is induced by phenobarbital. The enzyme is known to metabolize many xenobiotics, including the anticonvulsive drug mephenytoin, benzo(a)pyrene, 7-ethoxycoumarin, and the anti-cancer drug taxol. This gene is located within a cluster of cytochrome P450 genes on chromosome 10q24. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]