

Product datasheet for RR209639L3V

OriGene Technologies, Inc.

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Cyp4x1 (NM_145675) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Cyp4x1 (NM_145675) Rat Tagged ORF Clone Lentiviral Particle

Symbol: Cyp4x1

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

ACCN: NM_145675

ORF Size: 1521 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RR209639).

OTI Disclaimer:

Sequence:

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: <u>NM 145675.1</u>, <u>NP 663708.1</u>

 RefSeq Size:
 1524 bp

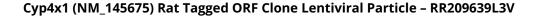
 RefSeq ORF:
 1524 bp

 Locus ID:
 246767

 UniProt ID:
 Q8K4D6

Cytogenetics: 5q35







Gene Summary:

A cytochrome P450 monooxygenase that selectively catalyzes the epoxidation of the last double bond of the arachidonoyl moiety of anandamide, potentially modulating endocannabinoid signaling. Has no hydroxylase activity toward various fatty acids, steroids and prostaglandins. Mechanistically, uses molecular oxygen inserting one oxygen atom into a substrate, and reducing the second into a water molecule, with two electrons provided by NADPH via cytochrome P450 reductase (CPR; NADPH-ferrihemoprotein reductase). [UniProtKB/Swiss-Prot Function]