

Product datasheet for **MR207155L4V**

Cyp27b1 (NM_010009) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cyp27b1 (NM_010009) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cyp27b1
Synonyms:	Cp2b; Cyp1; Cyp27b; Cyp40; P450c1; Pddr; Vdd1; Vddr; Vddrl; Vdr
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010009
ORF Size:	1347 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207155).
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_010009.1 , NP_034139.1
RefSeq Size:	2440 bp
RefSeq ORF:	1524 bp
Locus ID:	13115
UniProt ID:	O35084
Cytogenetics:	10 D3



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Gene Summary:

Catalyzes the conversion of 25-hydroxyvitamin D3 (25(OH)D3) to 1-alpha,25-dihydroxyvitamin D3 (1alpha,25(OH)(2)D3), and of 24,25-dihydroxyvitamin D3 (24,25(OH)(2)D3) to 1-alpha,24,25-trihydroxyvitamin D3 (1alpha,24,25(OH)(3)D3). Is also active with 25-hydroxy-24-oxo-vitamin D3. Plays an important role in normal bone growth, calcium metabolism, and tissue differentiation.[UniProtKB/Swiss-Prot Function]