

Product datasheet for **MR208153L4V**

Cyp7b1 (NM_007825) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cyp7b1 (NM_007825) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cyp7b1
Synonyms:	AW261589; D3Erttd552e; hct-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007825
ORF Size:	1524 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208153).
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_007825.2 , NP_031851.2
RefSeq Size:	2166 bp
RefSeq ORF:	1524 bp
Locus ID:	13123
UniProt ID:	Q60991
Cytogenetics:	3 4.98 cM



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Gene Summary:

Oxysterol 7alpha-hydroxylase that mediates formation of 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC) from 25-hydroxycholesterol (PubMed:9295351). Plays a key role in cell positioning and movement in lymphoid tissues: 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC) acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells (PubMed:22999953).[UniProtKB/Swiss-Prot Function]