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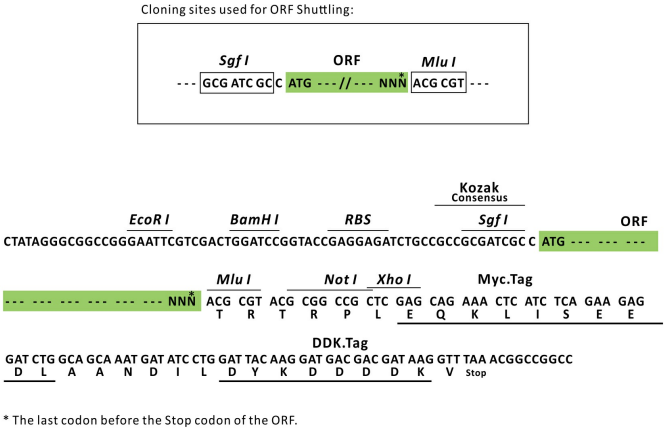
Product datasheet for RC203058L1

CYP39A1 (NM_016593) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP39A1 (NM_016593) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	CYP39A1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203058).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

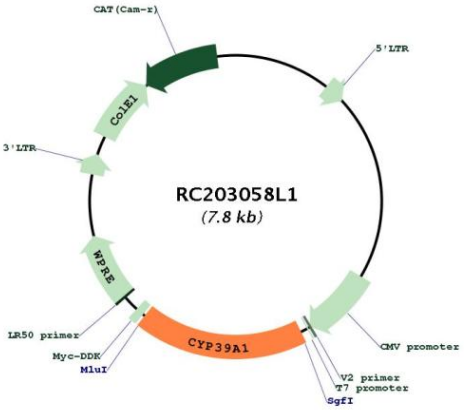


ACCN:	NM_016593
ORF Size:	1407 bp

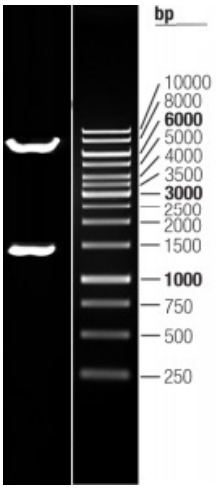
View online »

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_016593.3
RefSeq Size:	2444 bp
RefSeq ORF:	1410 bp
Locus ID:	51302
UniProt ID:	Q9NYL5
Cytogenetics:	6p12.3
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Primary bile acid biosynthesis
MW:	54 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 endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC203058L1



Double digestion of RC203058L1 using SgfI and MluI