

Product datasheet for RR208359L4

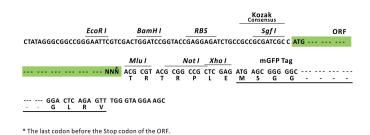
Cyp7a1 (NM_012942) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Due du et True et	Furnessian Discusida
Product Type:	Expression Plasmids
Product Name:	Cyp7a1 (NM_012942) Rat Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Cyp7a1
Synonyms:	CHAP; CYP7; CYP7S1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR208359).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
5	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GC ATG // NNN ACG CGT



ACCN: ORF Size: NM_012942 1509 bp



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Service Cyp7a1 (NM_012942) Rat Tagged Lenti ORF Clone – RR208359L4	
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. <u>More info</u>
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 012942.2, NP 037074.1</u>
RefSeq Size:	3544 bp
RefSeq ORF:	1512 bp
Locus ID:	25428
UniProt ID:	<u>P18125</u>
Cytogenetics:	5q12
Gene Summary:	catalyzes the conversion of cholesterol, NADPH, and oxygen to 7-alpha-hydroxycholesterol, NADP(+) and water; plays a role in bile acid biosynthesis and cholesterol metabolism [RGD, Feb 2006]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US