

Product datasheet for **RC207278L2V**

AKR1C1 (NM_001353) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AKR1C1 (NM_001353) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AKR1C1
Synonyms:	2-ALPHA-HSD; 20-ALPHA-HSD; C9; DD1; DD1/DD2; DDH; DDH1; H-37; HAKRC; HBAB; MBAB
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001353
ORF Size:	969 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207278).
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_001353.5
RefSeq Size:	1384 bp
RefSeq ORF:	972 bp
Locus ID:	1645
UniProt ID:	Q04828
Cytogenetics:	10p15.1
Domains:	aldo_ket_red
Protein Families:	Druggable Genome



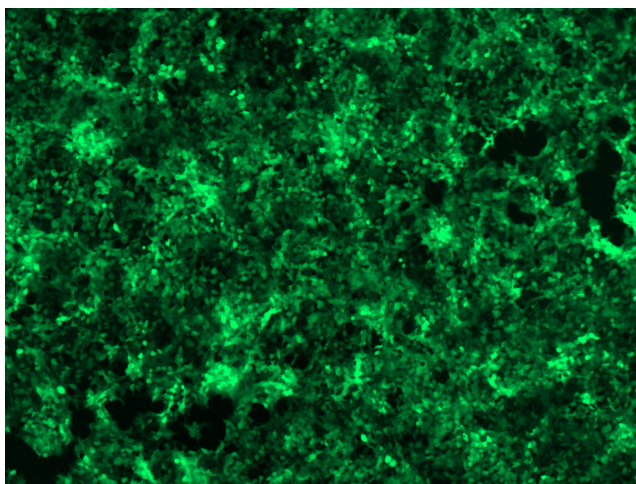
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Protein Pathways: Metabolism of xenobiotics by cytochrome P450

MW: 36.6 kDa

Gene Summary: This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols by utilizing NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme catalyzes the reaction of progesterone to the inactive form 20-alpha-hydroxy-progesterone. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. [provided by RefSeq, Jul 2008]

Product images:



[RC207278L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC207278L2V particle to overexpress human AKR1C1-mGFP fusion protein.