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Product datasheet for RC200302L3V

AKR1A1 (NM_006066) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AKR1A1 (NM_006066) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AKR1A1
Synonyms:	ALDR1; ALR; ARM; DD3; HEL-S-6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_006066
ORF Size:	975 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200302).
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_006066.2
RefSeq Size:	1597 bp
RefSeq ORF:	978 bp
Locus ID:	10327
UniProt ID:	P14550
Cytogenetics:	1p34.1
Domains:	aldo_ket_red
Protein Families:	Druggable Genome

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Protein Pathways: Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways

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. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Multiple alternatively spliced transcript variants of this gene exist, all encoding the same protein. [provided by RefSeq, Jan 2011]