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Product datasheet for RC203177L1V

AKR1B10 (NM_020299) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	AKR1B10 (NM_020299) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AKR1B10
Synonyms:	AKR1B11; AKR1B12; ALDRLn; ARL-1; ARL1; HIS; HSI
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_020299
ORF Size:	948 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC203177).`
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_020299.3, NP_064695.2
RefSeq Size:	1610 bp
RefSeq ORF:	951 bp
Locus ID:	57016
UniProt ID:	O60218
Cytogenetics:	7q33
Domains:	aldo_ket_red
Protein Families:	Druggable Genome

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Protein Pathways:	Butanoate metabolism, Fructose and mannose metabolism, Linoleic acid metabolism, Metabolic pathways
MW:	36 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 can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [provided by RefSeq, Jul 2008]