

## Product datasheet for **RC224970L3V**

### **AKR1CL2 (AKR1E2) (NM\_001040177) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	AKR1CL2 (AKR1E2) (NM_001040177) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AKR1CL2
Synonyms:	AKR1CL2; AKRDC1; htAKR; htSP; HTSP1; LoopADR; TAKR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001040177
ORF Size:	960 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224970).
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. <a href="#">More info</a>
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:	<a href="#">NM_001040177.1</a>
RefSeq Size:	1623 bp
RefSeq ORF:	963 bp
Locus ID:	83592
UniProt ID:	<a href="#">Q96JD6</a>
Cytogenetics:	10p15.1
Protein Families:	Druggable Genome
MW:	36.4 kDa



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**Gene Summary:**

The protein encoded by this gene is a member of the aldo-keto reductase superfamily. Members in this family are characterized by their structure (evolutionarily highly conserved TIM barrel) and function (NAD(P)H-dependent oxido-reduction of carbonyl groups). Transcripts of this gene have been reported in specimens of human testis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]