

OriGene Technologies, Inc.

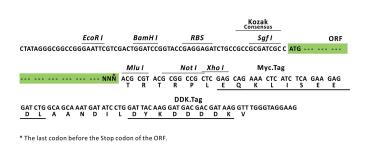
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Product datasheet for RC207296L3

ARL4 (ARL4A) (NM_001037164) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARL4 (ARL4A) (NM_001037164) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	ARL4
Synonyms:	ARL4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207296).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GC <mark> ATG // NNŇ</mark> ACG CGT



ACCN: ORF Size: NM_001037164 600 bp



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ORIGENE ARL4 (ARL4A) (NM_001037164) Human Tagged Lenti ORF Clone – RC207296L3	
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 001037164.1, NP 001032241.1</u>
RefSeq Size:	2957 bp
RefSeq ORF:	603 bp
Locus ID:	10124
UniProt ID:	<u>P40617</u>
Cytogenetics:	7p21.3
Protein Families:	Stem cell - Pluripotency
MW:	22.4 kDa
Gene Summary:	ADP-ribosylation factor-like 4A is a member of the ADP-ribosylation factor family of GTP- binding proteins. ARL4A is similar to ARL4C and ARL4D and each has a nuclear localization signal and an unusually high guaninine nucleotide exchange rate. ARL4A is located in both the nuclear and extranuclear cell compartments. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

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