

Product datasheet for **RC218151L1V**

ARID1A (NM_006015) Human Tagged ORF Clone Lentiviral Particle

Product data:

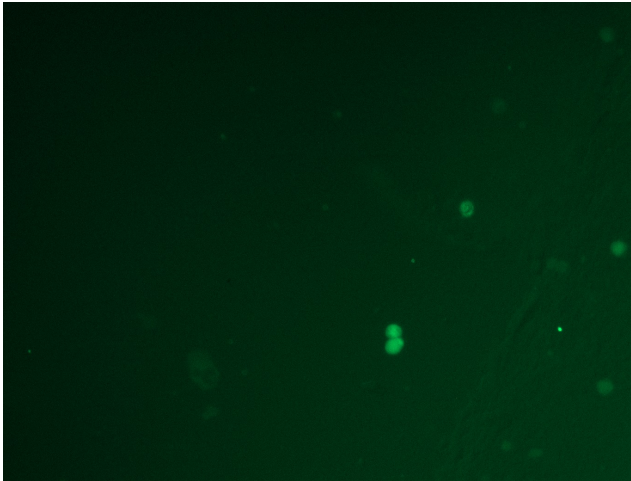
Product Type:	Lentiviral Particles
Product Name:	ARID1A (NM_006015) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ARID1A
Synonyms:	B120; BAF250; BAF250a; BM029; C1orf4; CSS2; ELD; hELD; hOSA1; MRD14; OSA1; P270; SMARCF1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_006015
ORF Size:	6855 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218151).
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_006015.3
RefSeq Size:	8595 bp
RefSeq ORF:	6858 bp
Locus ID:	8289
UniProt ID:	O14497
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome


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MW: 241.9 kDa

Gene Summary: This gene encodes a member of the SWI/SNF family, whose members have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. It possesses at least two conserved domains that could be important for its function. First, it has a DNA-binding domain that can specifically bind an AT-rich DNA sequence known to be recognized by a SNF/SWI complex at the beta-globin locus. Second, the C-terminus of the protein can stimulate glucocorticoid receptor-dependent transcriptional activation. It is thought that the protein encoded by this gene confers specificity to the SNF/SWI complex and may recruit the complex to its targets through either protein-DNA or protein-protein interactions. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



[RC218151L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC218151L1V particle to overexpress human ARID1A-Myc-DDK fusion protein.