

Product datasheet for RC218151

ARID1A (NM_006015) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARID1A (NM_006015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARID1A
Synonyms:	B120; BAF250; BAF250a; BM029; C1orf4; CSS2; ELD; hELD; hOSA1; MRD14; OSA1; P270; SMARCF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218151 representing NM_006015 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC218151 representing NM_006015
 Red=Cloning site Green=Tags(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mg4227_g05.zip

Restriction Sites: SgfI-MluI

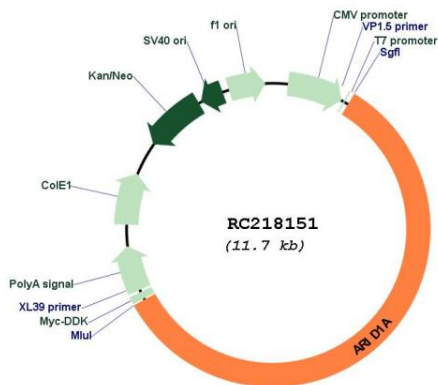
Cytogenetics: 1p36.11

Protein Families: Druggable Genome

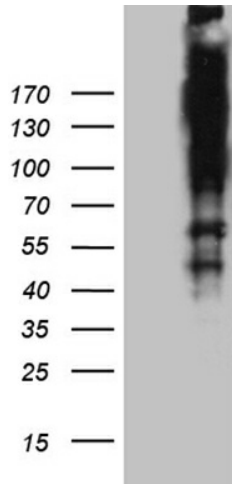
MW: 241.9 kDa

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]

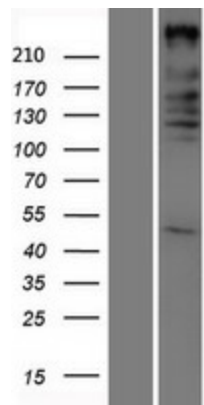
Product images:



Circular map for RC218151



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ARID1A (Cat# RC218151, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ARID1 (Cat# [TA806410]). Positive lysates [LY416884] (100ug) and [LC416884] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416884]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218151 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).