

# Human ARID1A Knockdown Cell Lysate

**Cat. No.** ARID1A-053HKCL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	WB-validated ARID1A Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	<p>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.</p>
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	242 kDa
<b>Notes</b>	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa

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cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ARID1A KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION


**Gene Name** [ARID1A AT rich interactive domain 1A \(SWI-like\) \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [ARID1A](#)

**Synonyms** ARID1A; AT rich interactive domain 1A (SWI-like); AT rich interactive domain 1A (SWI like), C1orf4, SMARCF1, SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily f, member 1; AT-rich interactive domain-containing protein 1A; B120; BAF250; BAF250a; C1orf4; P270; osa homolog 1; SWI-like protein; brain protein 120; OSA1 nuclear protein; BRG1-associated factor 250a; SWI/SNF complex protein p270; chromatin remodeling factor p250; ARID domain-containing protein 1A; SWI/SNF-related, matrix-associated, actin-dependent regulator of chromatin subfamily F member 1; ELD; OSA1; hELD; BM029; hOSA1; C1orf4; SMARCF1;

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Gene ID	8289
mRNA Refseq	NM_006015
Protein Refseq	NP_006006
MIM	603024
UniProt ID	O14497

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