

## Recombinant Human ARID1A, His-tagged

Cat. No. ARID1A-3677H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** AT-rich interactive domain-containing protein 1A (ARID1A), partial

**Species** Human

**Source** E.Coli/Yeast

**ProteinLength** 2285

#### Description

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.

#### Form

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of ARID1A recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	ARID1A AT rich interactive domain 1A (SWI-like) [ Homo sapiens ]
<b>Official Symbol</b>	ARID1A
<b>Synonyms</b>	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; C10rf4; 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;
<b>Gene ID</b>	8289

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<b>mRNA Refseq</b>	NM_006015
<b>Protein Refseq</b>	NP_006006
<b>MIM</b>	603024
<b>UniProt ID</b>	O14497
<b>Chromosome Location</b>	1p36.1-p35
<b>Function</b>	DNA binding; binding; ligand-dependent nuclear receptor binding; protein binding; transcription coactivator activity;

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