Recombinant Human ARID1A protein, GST-tagged

Cat. No. ARID1A-792H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ARID1A partial ORF (NP_006006, 1216 a.a. - 1325 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	37.84 kDa
AA Sequence	NTSDMMGRMSYEPNKDPYGSMRKAPGSDPFMSSGQGPNGGMGDPYSRAAGPGL

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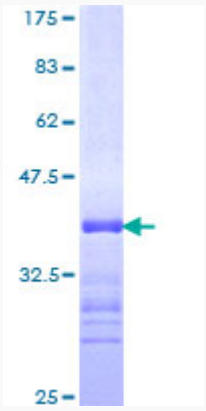
	GNVAMGPRQHYPYGGPYDRVRTEPGIGPEGNMSTGAPQPNLMPSNPDSGMYSPSRYP
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ARID1A AT rich interactive domain 1A (SWI-like) [Homo sapiens]
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; 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;
Gene ID	8289
mRNA Refseq	NM_006015

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Protein Refseq	NP_006006
MIM	603024
UniProt ID	O14497



12.5% SDS-PAGE Stained with Coomassie Blue.

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