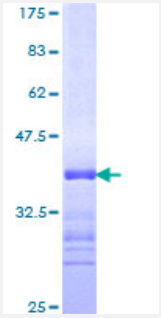
ARID1A (Human) Recombinant Protein (Q01)

Catalog # H00008289-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ARID1A partial ORF (NP_006006, 1216 a.a. - 1325 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NTSDMMGRMSYEPNKDPYGSMRKAPGSDPFMSSGQGPNGGMGDPYSRAAGPGLGNVAMGPR QHYPYGGPYDRVRTEPGIGPEGNMSTGAPQPNLMPSNPDSGMYSPSRYP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (97); Rat (97)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ARID1A

Entrez GeneID	8289
GeneBank Accession#	NM_006015
Protein Accession#	NP_006006
Gene Name	ARID1A
Gene Alias	B120, BAF250, BAF250a, BM029, C1orf4, P270, SMARCF1
Gene Description	AT rich interactive domain 1A (SWI-like)
Omim ID	603024
Gene Ontology	Hyperlink
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
Other Designations	AT rich interactive domain 1A|AT rich interactive domain 1A (SWI- like)|BRG1-associated factor 250a|OSA1 nuclear protein|OTTHUMP00000004117|OTTHUMP00000044975|SWI/SNF complex protein p270|SWI/SNF related, matrix associated, actin dependent regulator of ch