

Datasheet for ABIN7552386

## ARID4A Protein (AA 1-1257) (His tag)



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### Overview

Quantity:	1 mg
Target:	ARID4A
Protein Characteristics:	AA 1-1257
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARID4A protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant ARID4A Protein expressed in mammalian cells.
Sequence:	<p>MKAADEPAYL TVGTDVSAKY RGAFCEAKIK TVKRLVKVKV LLKQDNTTQL VQDDQVKGPL</p> <p>RVGAIVETRT SDGSFQEAI SKLTDASWYT VVFDGDERT LRRTSLCLKG ERHFAESETL</p> <p>DQLPLTNPEH FGTPVIAKKT NRGRSSLPV TEDEKEESS EEEDEDKRRL NDELLGKVVS</p> <p>VVSATERTEW YPALVISPC NDDITVKKDQ CLVRSFIDSK FYIARKDIK EVDILNLPES</p> <p>ELSTKPGQLK ASIFLKTRVV PDNWKMDISE ILESSSSDDE DGPAEENDEE KEKEAKKTEE</p> <p>EVPEEELDPE ERDNFLQQLY KFMEDRGTPV NKPPVLGYKD LNLFKLFRLV YHQQGCDNID</p> <p>SGAVWKQIYM DLGIPILNSA ASYNVKTAYR KYLYGFEEYC RSANIQFRTV HHHEPKVKEE</p> <p>KKDLEESMEE ALKLDQEMPL TEVKSEPEEN IDSNSERE EIELKSPRGR RRIARDVNSI</p> <p>KKEIEEEKTE DKLKDNDTEN KDVDYDYETA EKKENELLG RKNTPKQKEK KIKKQEDSDK</p> <p>DSDEEEKSQ EREETESKCD SEGEDEEDM EPCLTGTVK VYGRGKTQK IYEASIKSTE</p> <p>IDDGEVLYLV HYYGWNVRYD EWVKADRIIW PLDKGGPKKK QKKKAKNKED SEKDEKRDEE</p> <p>RQKSKRGRPP LKSTLSSNMP YGLSKTANSE GKSDSCSSDS ETEDALEKNL INEELSLKDE</p>

LEKNENLNDD KLDEENPKIS AHILKENDRT QMQPLETLKL EVGENEQIVQ IFGNKMEKTE  
EVKKEAEKSP KGKGRRSKTK DLSLEIKIS SFGQNEAGSE PHIEAHSLEL SSLDNKNFSS  
ATEDEIDQCV KEKKLKRKIL GQSSPEKKIR IENGMENTNT VSQERTSDCI GSEGMKNLNF  
EQHFERENEG MPSLIAESNQ CIQQLTSERF DSPAEETVNI PLKEDEDAMP LIGPETLVCH  
EVDLDDLDEK DKTSIEDVAV ESSESNSLVS IPPALPPVVQ HNFSVASPLT LSQDESRSVK  
SESDITIEVD SIAEESQEGL CERESANGFE TNVASGTCSI IVQERESREK GQKRPSDGNS  
GLMAKKQKRT PKRTSAAAKN EKNGTGQSSD SEDLPVLDNS SKCTPVKHLN VSKPQKLARS  
PARISPHIKD GEKDKHREKH PNSSPRTYKW SFQLNELDNM NSTERISFLQ EKLQEIRKYY  
MSLKSEVATI DRRRKRLKKK DREVSHAGAS MSSASSDTGM SPSSSSPPQN VLAVECR **Sequence**  
**without tag. The proposed Purification-Tag is based on experiences with the expression**  
**system, a different complexity of the protein could make another tag necessary. In case you**  
**have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ARID4A

## Target Details

Alternative Name:	ARID4A ( <a href="#">ARID4A Products</a> )
Background:	<p>AT-rich interactive domain-containing protein 4A (ARID domain-containing protein 4A) (Retinoblastoma-binding protein 1) (RBBP-1),FUNCTION: DNA-binding protein which modulates activity of several transcription factors including RB1 (retinoblastoma-associated protein) and AR (androgen receptor) (By similarity). May function as part of an mSin3A repressor complex (PubMed:14581478). Has no intrinsic transcriptional activity (By similarity). Plays a role in the regulation of epigenetic modifications at the PWS/AS imprinting center near the SNRPN promoter, where it might function as part of a complex with RB1 and ARID4B (By similarity). Involved in spermatogenesis, together with ARID4B, where it acts as a transcriptional coactivator for AR and enhances expression of genes required for sperm maturation. Regulates expression of the tight junction protein CLDN3 in the testis, which is important for integrity of the blood-testis barrier (By similarity). Plays a role in myeloid homeostasis where it regulates the histone methylation state of bone marrow cells and expression of various genes involved in hematopoiesis. May function as a leukemia suppressor (By similarity). {ECO:0000250 UniProtKB:F8VPQ2, ECO:0000269 PubMed:14581478}.</p>
Molecular Weight:	142.8 kDa
UniProt:	<a href="#">P29374</a>

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months