Datasheet for ABIN7552242

ARID5A Protein (AA 1-594) (His tag)

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Overview

Quantity:	1 mg
Target:	ARID5A
Protein Characteristics:	AA 1-594
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARID5A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ARID5A Protein expressed in mammalian cells.
Sequence:	MAAPVKGNRK QSTEGDALDP PASPKPAGKQ NGIQNPISLE DSPEAGGERE EEQEREEEQA FLVSLYKFMK ERHTPIERVP HLGFKQINLW KIYKAVEKLG AYELVTGRRL WKNVYDELGG SPGSTSAATC TRRHYERLVL PYVRHLKGED DKPLPTSKPR KQYKMAKENR GDDGATERPK KAKEERRMDQ MMPGKTKADA ADPAPLPSQE PPRNSTEQQG LASGSSVSFV GASGCPEAYK RLLSSFYCKG THGIMSPLAK KKLLAQVSKV EALQCQEEGC RHGAEPQASP AVHLPESPQS PKGLTENSRH RLTPQEGLQA PGGSLREEAQ AGPCPAAPIF KGCFYTHPTE VLKPVSQHPR DFFSRLKDGV LLGPPGKEGL SVKEPQLVWG GDANRPSAFH KGGSRKGILY PKPKACWVSP MAKVPAESPT LPPTFPSSPG LGSKRSLEEE GAAHSGKRLR AVSPFLKEAD AKKCGAKPAG SGLVSCLLGP ALGPVPPEAY RGTMLHCPLN FTGTPGPLKG QAALPFSPLV IPAFPAHFLA TAGPSPMAAG LMHFPPTSFD SALRHRLCPA SSAWHAPPVT TYAAPHFFHL NTKL **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**

Product Details

	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:	ARID5A
Alternative Name:	ARID5A (ARID5A Products)
Background:	AT-rich interactive domain-containing protein 5A (ARID domain-containing protein 5A) (Modulator recognition factor 1) (MRF-1),FUNCTION: Binds to AT-rich stretches in the modulator region upstream of the human cytomegalovirus major intermediate early gene enhancer. May act as repressor and down-regulate enhancer-dependent gene expressison (PubMed:8649988). May positively regulate chondrocyte-specific transcription such as of COL2A1 in collaboration with SOX9 and positively regulate histone H3 acetylation at chondrocyte-specific genes. May stimulate early-stage chondrocyte differentiation and inhibit later stage differention (By similarity). Can repress ESR1-mediated transcriptional activation, proposed to act as corepressor for selective nuclear hormone receptors (PubMed:15941852). As RNA-binding protein involved in the regulation of inflammatory response by stabilizing

Target Details

	selective inflammation-related mRNAs, such as IL6, STAT3 and TBX21. Binds to stem loop structures located in the 3'UTRs of IL6, STAT3 and TBX21 mRNAs, at least for STAT3 prevents binding of ZC3H12A to the mRNA stem loop structure thus inhibiting its degradation activity. Contributes to elevated IL6 levels possibly implicated in autoimmunity processes. IL6-dependent stabilization of STAT3 mRNA may promote differentiation of naive CD4+ T-cells into T-helper Th17 cells. In CD4+ T-cells may also inhibit RORC-induced Th17 cell differentiation independently of IL6 signaling. Stabilization of TBX21 mRNA contributes to elevated interferon-gamma secretion in Th1 cells possibly implicated in the establishment of septic shock (By similarity). Stabilizes TNFRSF4/OX40 mRNA by binding to the conserved stem loop structure in its 3'UTR, thereby competing with the mRNA-destabilizing functions of RC3H1 and endoribonuclease ZC3H12A (By similarity). {ECO:0000250|UniProtKB:Q3U108, ECO:0000269|PubMed:15941852, ECO:0000269|PubMed:8649988}.
Molecular Weight:	64.1 kDa
UniProt:	Q03989

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