

Datasheet for ABIN7552176

AREL1 Protein (AA 1-823) (His tag)

3 Images



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Overview

Quantity:	1 mg
Target:	AREL1
Protein Characteristics:	AA 1-823
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AREL1 protein is labelled with His tag.

Product Details

Purpose:	Made-to-order recombinant AREL1 Protein expressed in mammalian cells.
Sequence:	<p>MFYVIGGITV SVVAFFFTIK FLFELAARVV SFLQNEDRER RGDRTIYDYV RGNYLDPKSC</p> <p>KVSWDWKDPY EVGHSMARV HLFYKNGQPF PAHRPVGLRV HISHVELAVE IPVTQEVLTQ</p> <p>PNSNVVKVAF TVRKAGRYEI TVKLGGNLVA YSPYYKIFQP GMVVPSTKI VCHFSTLVLT</p> <p>CGQPHTLQIV PRDEYDNPTN NSMSLRDEHN YTLSEHLP QEEESTGVSF EKSVTSNRQT</p> <p>FQVFLRLTLH SRGCFHACIS YQNQPINNGE FDIIVLSEDE KNIVERNVST SGVSIYFEAY</p> <p>LYNATNCSST PWHLPMMHMT SSQRRPSTAV DEEDEDSPSE CHTPEKVKKP KKVICYVSPK</p> <p>QFSVKEFYLK IIPWRLYTR VCPGTFKFSYL GPDPVHKLLT LVVDDGIQPP VELSKERNI</p> <p>LAATFIRSLH KNIGGSETFQ DKVNFFQREL RQVHMKRPHS KVTCLKVSRHA LLESSLKATR</p> <p>NFSISDWSKN FEVVFQDEEA LDWGGPRREW FELICKALFD TTNQLFTRFS DNNQALVHPN</p> <p>PNRPAHLRLK MYEFAGRLVG KCLYESSLGG AYKQLVRARF TRSFLAQIIG LRMHYKYFET</p> <p>DDPEFYKSKV CFILNNDMSE MELVFAEEKY NKSGQLDKVV ELMTGGAQTP VTNANKIFYL</p> <p>NLLAQYRLAS QVKEEVEHFL KGLNELVPEN LLAIFDENEL ELLMCGTGDI SVSDFKAHAV</p>

Product Details

VVGGSWHFRE KVMRWFMTVV SSLTQEELAR LLQFTTGSSQ LPPGGFAALC PSFQIIAAPT
HSTLPTAHTC FNQLCLPTYD SYEEVHRMLQ LAISEGCEGF GML **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: made-to-order

Target Details

Target: AREL1

Alternative Name: AREL1 ([AREL1 Products](#))

Background: Apoptosis-resistant E3 ubiquitin protein ligase 1 (EC 2.3.2.26) (Apoptosis-resistant HECT-type E3 ubiquitin transferase 1),FUNCTION: E3 ubiquitin-protein ligase that catalyzes 'Lys-11'- or 'Lys-33'-linked polyubiquitin chains, with some preference for 'Lys-33' linkages (PubMed:25752577). E3 ubiquitin-protein ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (PubMed:23479728, PubMed:31578312). Ubiquitinates SEPTIN4,

Target Details

DIABLO/SMAC and HTRA2 in vitro (PubMed:23479728). Modulates pulmonary inflammation by targeting SOCS2 for ubiquitination and subsequent degradation by the proteasome (PubMed:31578312). {ECO:0000269|PubMed:23479728, ECO:0000269|PubMed:25752577, ECO:0000269|PubMed:31578312}.

Molecular Weight: 94.2 kDa

UniProt: [O15033](#)

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.

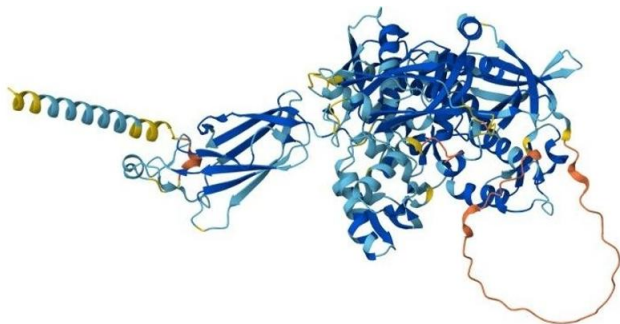
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

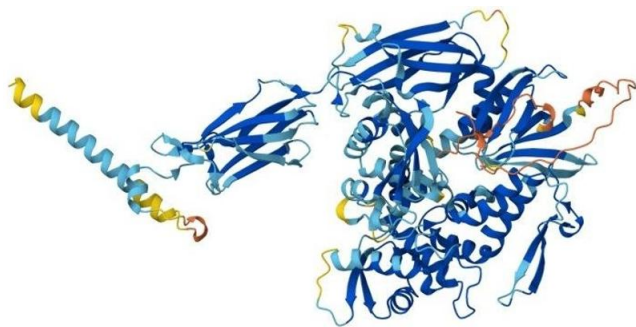
Expiry Date: 12 months

Images



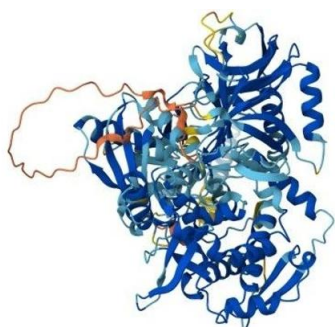
Protein Structure

Image 1. AlphaFold protein structure prediction of Human Recombinant AREL1 Protein, UniprotID O15033



Protein Structure

Image 2. AlphaFold protein structure prediction of Human Recombinant AREL1 Protein, UniprotID O15033



Protein Structure

Image 3. AlphaFold protein structure prediction of Human Recombinant AREL1 Protein, UniprotID O15033

