

Datasheet for ABIN7564583  
**AREL1 Protein (AA 1-823) (His tag)**



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## Overview

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

## Product Details

Purpose:	Custom-made recombinant Arel1 Protein expressed in mammalian cells.
Sequence:	MFYVIGGIIV SVVAFFFTIK FLFELAAARVV SFLQNEDEDRER RGDRTIYDYV RGNYLDPDRSC KVSWDWKDPY EVGHSMARV HLFYKNGQPF PAHRPVGLRV HISHVELAVD IPVTQEVLTQE PNSNVVKVAF TVRKAGRYEI TVKLGGLNVA YSPYYKIFQP GMVVPSKTKI VCHFSTLVLT CGQPHTLQIV PRDEYDNPTN NSMSLRDEHS YSLAIHELGP QEEENNEVSF EKSVTNSRQT CQVFLRLTLH SRGCFHACIS YQNQPINNGE FDIIVLSENE KNIVERNVST SGVSIYFEAY LYNANNCTST PWHLPPMHMS SSQRRPSTAI EEDDESPSE CHTPEKVKKP KKVYCYVSPK QFSVKEFYLK IIPWRLYTFR VCPGTFKFSYL GPDPVHKLLT LVVDDGIQPP VELCKERNI LAATFIRSLH KNIGGSETFQ DKVNFFQREL RQVHMKRPHS KVTCLKVSRHA LLESSLKATR NFSISDWSKN FEVVFQDEEA LDWGGPREW FELICKALFD TTSQLFARFT DSNQALVHPN PNRPAHLRLK MYEFAGRLVG KCLYESSLGG AYKQLVRARF TRSFLAQIIG LRMHYKYFET DDPEFYKSKV CFILNNDMSE MELVFAEEKY NKSGQLDKIV ELMTGGAQTP VTNANKIFYL NLLAQYRLAS QVKEEVEHFL KGLNELVPEN LLAIFDENEL ELLMCGTGDI NVSDFKAHAV

## Product Details

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VVGGSWHFRE KVMRWFWAVV 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: custom-made

## Target Details

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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 (By similarity). 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 (By similarity). Ubiquitinates SEPTIN4, DIABLO/SMAC and HTRA2 in vitro (By similarity). Modulates pulmonary

## Target Details

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inflammation by targeting SOCS2 for ubiquitination and subsequent degradation by the proteasome (PubMed:31578312). {ECO:0000250|UniProtKB:O15033, ECO:0000269|PubMed:31578312}.

Molecular Weight: 94.2 kDa

UniProt: [Q8CHG5](#)

## Application Details

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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

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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