

Product datasheet for **SC102562**

ARIH1 (AK000336) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARIH1 (AK000336) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARIH1
Synonyms:	ARI; HARI; HHARI; UBCH7BP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK000336, the custom clone sequence may differ by one or more nucleotides

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CGACGAAGGGTTTTGTTACAGCATGTGCATGAAGGCTACGAAAAAGATCTGTGGGAGTACATTGAGGACT
GAGAATGGCCCTGCATAAAATGAACTCTGAAAACCTTACCATCTAGAGTGCTCATGCAATTAACAACAAAG
CAAACACAAACAAGGAGGCACTAAGCCTATTCTGACACCACTGGTCTGTAGTACCAGAATTGTTTTGTTA
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CATATAATATCAGACTAAATTATCTGTAATTTTCCACAACCCAGATTGTATGTGTTTTATGTGTGTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK000336 unedited
 TTCAAATTTTGTAAATACGACTCACTATAGGGCGGCCGNAATTCGCACGAGGGCAACTA
 GATTAAGAGGTCTAAATATGAAATACCAGTTGAGGCTGAGGACCTCTTCGTCTTCCCTTA
 AATGTCTTTTGCCTAGGGAGTGTACCATTTGTGAGGCAGCTTTGTCTGCTCTTACACT
 GTACATCTATTACTCCATTGGGAAGTAGGTTCACTTTCTCTGGCCTTTTGCTAAGTT
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 GGCAACTGTTCTTTCCCATCAAAAATCAGTGAATGTTTGTCTGAGTATAAATGCTGCTTC
 CTTAAACCACTTGTGCTTTAGGATCAACTTTACCTGTACCTTTTCTCCTTTCTCCCTT
 GCCACCTCAGGTGCAAATCTGAACCTCAGTGTCTGCTTCTCCATTTTCTCGTCTCTCTCC
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 NCTAATACAGTCTCACCATGAGGAACAGTGTCTTTAGAGATGCTNTCTATTTATGNT
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3' Read Nucleotide Sequence:

>OriGene 3' read for AK000336 unedited
 NGGTNCAACTATGGAACCGGCCGCAANCTANGATCGAGTTTTTTTTTTTTTTTTTTA
 AAAAAATAAAGTTTATTTTATTAGAATTAGGAATGTTCTTTCCCTCTGGCAACCTGAA
 CAGTCCAGTTACAATGAAATCTAAGAACAGTTATTTCCACAGCATAGGGTCTCTATGCA
 CAAAATTACAGGGTTAGGAGCATTAAATCAATTTACCATTCTGATTGTCTACCAACCCA
 CCCCATCCCATCCCCAAGTGTCTATTACCGGGTTGTAGTAAAAATAATTTGTTACA
 TTAACCTCTTTCCCTCTTACTAAATTTCAAGTTCCTAATCATGGTTGAACCACCTTAT
 TACACAGCAGATCAACCATTTCAAATGAAGTCAGCCAGTCTGGATCTGTTGTATATGG
 GTGTATGTATACACGTGTATCAACATATTTATTTAAACACACATAAAACACATAACAATC
 TGGGTTGTGAAAATTACAGATAATTTAGTCTGATATTATATGCTACTCAATTTACCAC
 TGTGTTTTGTGCTCCTGAGCTTTGGATCAAAATTTATTTAAATCACTGAAAGTCCATCT
 GCTGCTGAATGAATTGTTCAAATGAAGCATGCACCTTTTCAAAGACAATGAAACTGACCT
 CAAGACATGGAGACCTTGGTGTACTGTGAATAGATCCCTCAGAAAGACTTCTGTAGGT
 GAAACAGGGAAGCTGTATGGCTTGCTATCCCAGCTGGGGGCACTGAATCTACTAATAA
 CACAAGCAATTCCTCTGGGATTCTGTCAATATGGGTGGTATCTGTTAAAAGCTGGGAA
 GTAGAAAGGCCAGTTCATCTTGATCATAACAATTANGGAATGCACCACACTGGCATACCC
 TCAGGCAGTATGCCACATTGAAATANAAGA

Restriction Sites:

NotI-NotI

ACCN:

AK000336

Insert Size:

1750 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [AK000336.1](#)

RefSeq Size: 2995 bp

RefSeq ORF: 2995 bp

Locus ID: 25820

Cytogenetics: 15q24.1

Protein Families: Druggable Genome

Gene Summary: E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (PubMed:15236971, PubMed:21532592, PubMed:24076655, PubMed:27565346, PubMed:23707686). Acts as an atypical E3 ubiquitin-protein ligase by working together with cullin-RING ubiquitin ligase (CRL) complexes and initiating ubiquitination of CRL substrates: associates with CRL complexes and specifically mediates addition of the first ubiquitin on CRLs targets (PubMed:27565346). The initial ubiquitin is then elongated by CDC34/UBE2R1 and UBE2R2 (PubMed:27565346). E3 ubiquitin-protein ligase activity is activated upon binding to neddylated cullin-RING ubiquitin ligase complexes (PubMed:24076655, PubMed:27565346). Plays a role in protein translation in response to DNA damage by mediating ubiquitination of EIF4E2, the consequences of EIF4E2 ubiquitination are however unclear (PubMed:25624349). According to a report, EIF4E2 ubiquitination leads to promote EIF4E2 cap-binding and protein translation arrest (PubMed:25624349). According to another report EIF4E2 ubiquitination leads to its subsequent degradation (PubMed:14623119). Acts as the ligase involved in ISGylation of EIF4E2 (PubMed:17289916).[UniProtKB/Swiss-Prot Function]