

Product datasheet for **SC108565**

ARIH2 (NM_006321) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARIH2 (NM_006321) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARIH2
Synonyms:	ARI2; TRIAD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_006321 edited
GAATTCGGCACGAGGCACTTCCGGAGCTGTGGGGACGACTCTTCTGGAGGAAGCAGCGCG
GGCTTGACCGCGTCCGGCCCGCCGCTCCGCTGCCGCTTCGCCCAATCCGGTCCCTCTG
GCCCGGCTGACCCGGTCTGGCTTGTTCGGGCTCAGCGGCCGCGAGGCCGAGCTCCCGA
TGGAAATCATATTATGTAGAATACTTGGGTGACATCTGCCTGAGAGATCTCCAAGAATTA
CAGATTGAGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGTGAATCTCTGCTCACTG
CAACCTCCGCTCCCCGAGTTCAAGCAGTTCTCCTGCCTCAGCCTCCTGAGTAGCTGGAT
TACAGGTAAGACAAAAATACTAATGCATTTGAGAAAGCGGTAGTTTTGGGGGAGGGGA
AAAAGCAACTGCTTTCCTGATCTGCAACTTGGCTGGATGCTAAGATGTCAGTGGACATGA
ATAGCCAGGGTCTGACAGCAATGAAGAGGACTATGACCCAAATTGTGAGGAAGAGGAAG
AAGAAGAAGAAGACGACCCTGGGACATAGAGGACTATTACGTGGGAGTAGCCAGCGATG
TGGAGCAGCAGGGGGCTGATGCCTTTGATCCCGAGGAGTACCAGTTCAGTTCAGTTCAGCT
ACAAGGAATCTGAGGGTGCCTCAATGAGCACATGACCAGCTTAGCTTCTGCTCTAAAGG
TATCTCATTGAGTTCAGTAACTTATATTAGTTAATTTCCACTGGCAAGTTTCAGAGATAT
TGGACAGATACAAGTCCAATTCTGCTCAACTGCTTGTGAGGCTCGAGTTCAGCCTAATC
CATCAAAACATGTTCCACATCCCATCCCCTCACCAGTGTGAGTGTGTATGCAGTTTG
TGCAGAAAGAAAACCTACTCTCTGCTGTCAGCACCAGTTTTGCCGAGCTGCTGGG
AGCAGCACTGCTCAGTTCCTGTCAGGACGCGTGGGCGTGGGAGTCTCTTGCATGGCTC
AGGACTGTCCACTCCGTACACCAGGACTTTGTGTTCCATTGCTTCCCAATGAAGAAT
TGAGAGAGAAAACAGGGCTACCTCTTCAGGGACTATGTGGAGAGTCAATACCAGCTCC
AGCTGTGCCCTGGTGCAGACTGCCCCATGGTTATTCGGGTACAGGAGCCTAGAGCTCGCC
GAGTACAGTGAATCGGTGCAACGAGGTCTTCTGTTTCAAGTGTGTCAGATGTATCACG
CACCCACAGACTGTGCCACAATCCGGAATGGCTCACGAAGTGTGCAGACGACTTGAAA
CAGCCAACTACATTAGTGTCCACTAAAGACTGTCCCAAGTGAACATCTGCATTGAGA
AGAATGGAGGCTGCAATCACATGCAATGCTCAAATGTAAACACGACTTCTGCTGGATGT
GTCTAGGAGATTGGAAGACTCATGGCAGTGAATACTATGAGTGCAGTCGTTACAAGGAGA
ATCCTGACATCGTGAACCAGAGCCAACAAGCCAGGCGAGGGAAGCCCTCAAGAAGTACT
TATTCTACTTTGAGAGGTGGGAAAACCACAATAAAAGCTTGCAGCTAGAGGCACAGACAT
ACCAGCGGATTCACGAGAAGATTCAGGAGAGGGTCAATGAACAATCTGGGGACATGGATCG
ACTGGCAGTACCTACAGAATGCTGCCAAGCTCTTGCCCAAGTGTGATACACCCTGCAAT
ACACCTACCCATATGCATATTACATGGAGTCCGGACCCAGGAAGAAGCTGTTTGAATACC
AGCAGGCTCAGCTGGAGGCTGAGATCGAAAACCTCTCATGGAAAGTGGAGCGTGCAGACA
GCTATGACAGAGGGGACTTGGAGAACCAGATGCATATAGCGGAGCAGCGGAGGAGAACC
TGCTGAAAGATTTCCATGACACCTAAGTTGGGATGTGGATGTGCCGGGTGAGGAAGATG
TGGCTGCAAGGTCTCCCGGCTGCCATACTGCATGCTGCAGGCTCTGCCTTTCATGACCC
AGGCAACAGCCAGGGCCCCACTCCTGAGAGACTGGCAACACCTCTTAGTTGATTTCTG
TTTTCTTCTTTTCACTTTTTGTTTCTACCAGGGTAGAGGCCATGTTGAACTGGCCTCT
TTTCAGGACTTTTATTTCCCTGGATGGTTGTTGGGAGGGAGGAAAGTGTTCGAA
TGGCTATTAATAGTATTAGATCATTACAACCTTATGTAACCTTCAAGGTTGTACAATTAT
ACAAAAAAAAAAAAAAAAAACTCGAC
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006321 unedited
 TTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCACTTCCGGAGCT
 GTGGGGACGACTCTTCTGGAGGAAGCAGCGCGGGCTTGACCGGCGTCGGCCCCGCCCTC
 CGCTGCCGCTTCGCCCAATCCGGTCCCTCTGGCCCGGCTGACCCGGTCTGGCTTGTT
 GGGCTCAGCGGCCGAGGCCGAGCTCCCGATGGAATCATATTATGTAGAATACTTGG
 GTGACATCTGCCTGAGAGATCTCCAAGAATTACAGATTGAGTCTCGCTCTGTTGCCCAGG
 CTGGAGTGCAGTGGTCAATCTCTGCTCACTGCAACCTCCGTCTCCCGAGTTCAAGCAGT
 TCTCCTGCCTCAGCCTCCTGAGTAGCTGGGATTACAGGTAAAGACAAAAATACTAATGCAT
 TTGAGAAAAGCGGTAGTTTTGGGGGGAGGGGAAAAAGCAACTGCTTTCCTGATCTGCAAC
 TTGGCTGGATGCTAAGATGTCAGTGGACATGAATAGCCAGGGGTCTGACAGCAATGAAGA
 GGACTATGACCCAAATTGTGAGGAAGAGGAAGAAGAAGAAGACGACCCTGGGGACAT
 AGAGGACTATTACGTGGGAGTAGCCAGCGATGTGGAGCAGCAGGGGGCTGATGCCTTTGA
 TCCCGAGGAGTACCAGNTCACTTGCTTGACCTACAAGGAATCTGAGGGTGCCTCAATGA
 GCACATGACCAGCTTAGCTTCTGTCTAAAGGTATCTCATTGCTAAACTTATATT
 AGTTAATTTCCCACTGGCAGTTTCAGAGATATTGGACAGATACAAGTCCAATTCTGCTCA
 ACTGCCTGTTGAGCTCCAGNTACCCTAACCATCAAAAATGTTCCCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006321 unedited
 CAGAGTCGAGTTTTTTTTTTTTTTTTTTGTATAATTGTACAACCTTTTGAAGTTACATA
 AGTTGTAATGATCTAATACTATTAATAGCCATTGAGAAAACACTTTCCCTCCCTCCCAAC
 AACCATCCAGGGGAAAATAAAGTCTGAAAAGAGGCCAGTTCAACATGGCCTCTACCCT
 GGTAGAAAACAAAAGTAAAATAGAAGAAAACAGAAATCAACTAAGAGGTGTTGCCAGTG
 TCTCTCAGGAGTGGGGCCCTGGCTGTTGCCTGGGGTCATGAAAGGCAGAGCCTGCAGCAT
 GCAGTATGGCAGCCGGGAGACCTTGCAGCCACATCTTCTCACCCGGGCATCCACATC
 CCAACTTAGGTGTCATGGAAATCTTTCAGCAGGGTCTCCTCCGCTGCTCCGCTATATGC
 ATCTGGTTCTCCAAGTCCCCTCTGTCAAGCTGTCTGCACCCTCCACTTCCATGACAGG
 TTTTCGATTCTCAGCTCCACCTGAGCCTGCTGGTATTCAAACAGCTTCTTCTGGGTCCC
 GACTCCTGTGAATATGCATATGGGTACGGTGTCTTGCAGTTGTTTCGACACTTGGCCCA
 GAACTTTGGACATTTCTGTAGGCACTGCCAGTTGTATCTTGCCCAAGATGTCATGA
 CCTCCTCTGAATCTTCTCTGAACCCGGTGGATTTTCTGGCCTCACCTCTAACCTTTA
 TTGGGTTTTCTCCCACTCCCCCTAAAACAATCACTCTTGATGGCTCTCCTTTCCCGG
 TTCTGTGGTTTTGGTCCACCATTAAAGACTTCCCCTTGTACACCCGCCATATTGTACCC
 ATGCCTGCTCCTCCCCCTCTTTTTACCCTCCCCCTAACCGCGTCTCCTCTCGCCTCCT
 CTTGTCCCGTCCGTTCTTCTTCTCATGTCCATTTCTCCCGTATCTTTCTCCGTTTAC
 CTTGTTCCGCTCTCCATATATCTTCCCTTCCCGACCTATTTCTCCTCGCCCTCTT
 GTTTGTTTACCTTACACTTCGAACACCAAAATTTCTTCN

Restriction Sites:

NotI-NotI

ACCN:

NM_006321

Insert Size:

2490 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: [NM_006321.1](#), [NP_006312.1](#)

RefSeq Size: 3892 bp

RefSeq ORF: 1482 bp

Locus ID: 10425

UniProt ID: [O95376](#)

Cytogenetics: 3p21.31

Domains: IBR

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is an E3 ubiquitin-protein ligase that polyubiquitinates some proteins, tagging them for degradation. The encoded protein upregulates p53 in some cancer cells and may inhibit myelopoiesis. Several transcript variants encoding different isoforms have been found for this gene, although the full-length nature of some of them have not been determined yet. [provided by RefSeq, Nov 2015]
Transcript Variant: This variant (2), as well as variants 1, 4, 5, and 6, encodes isoform a.