

Product datasheet for **RG201846**

ARIH2 (NM_006321) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARIH2 (NM_006321) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARIH2
Synonyms:	ARI2; TRIAD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG201846 representing NM_006321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCAGTGGACATGAATAGCCAGGGTCTGACAGCAATGAAGAGGACTATGACCCAAATTTGTGAGGAAG
 AGGAAGAAGAAGAAGAAGACGACCTGGGGACATAGAGGACTATTACGTGGGAGTAGCCAGCGATGTGGA
 GCAGCAGGGGGCTGATGCCTTTGATCCCGAGGAGTACCAGTTCACCTTGCTTGACCTACAAGGAATCTGAG
 GGTGCCCTCAATGAGCACATGACCAGCTTAGCTTCTGTCTAAAGGTATCTCATTAGTTGCTAAACTTA
 TATTAGTTAATTTCCACTGGCAAGTTTCAGAGATATTGGACAGATACAAGTCCAATTCGCTCAACTGCT
 TGTTGAGGCTCGAGTTCAGCCTAATCCATCAAACATGTTCCACATCCATCCCCCTCACCAGTGTGCA
 GTGTGTATGCAGTTTGTGCGAAAGGAAAACCTACTCTCTGCGCTGTCAGCACCAGTTTGGCCGAGCT
 GCTGGGAGCAGCACTGCTCAGTTCTCGTCAAGGACGGCGTGGCGTGGGAGTCTCTTGATGGCTCAGGA
 CTGTCCACTCCGTACACCAGAGGACTTTGTGTTCCATTGCTTCCAATGAAGAATTGAGAGAGAAATAC
 AGGCGCTACCTCTTCAGGACTATGTGGAGAGTATTACCAGCTCCAGCTGTGCCCTGGTGCAGACTGCC
 CCATGGTTATTCGGGTACAGGAGCCTAGAGCTCGCCGAGTACAGTGAATCCGGTGAACGAGGTCTTCTG
 TTTCAAGTGTCTGATGATCACGCACCCACAGACTGTGCCAATCCGGAAATGGCTCACGAAGTGT
 GCAGAGCACTCTGAAACAGCCAACTACATTAGTGTCTCACACTAAAGACTGTCCCAAGTGAACATCTGCA
 TTGAGAAGAATGGAGGCTGCAATCACATGCAATGCTCCAAATGTAACACGACTTCTGCTGGATGTGTCT
 AGGAGATTGGAAGACTCATGGCAGTGAATACTATGAGTGCAGTCGTTACAAGGAGAATCTGACATCGTG
 AACAGAGCCAAACAGCCAGGGCAGGGGAAGCCCTCAAGAAGTACTTATTCTACTTTGAGAGGTGGGAAA
 ACCACAATAAAAGCTTGCAGCTAGAGGCACAGACATACCAGCGATTACAGAGAAGATTCCAGGAGGGGT
 CATGAACAATCTGGGACATGGATCGACTGGCAGTACCTACAGAATGCTGCCAAGCTCTTGCCCAAGTGT
 CGATACACCCTGCAATACACCTACCCATATGCATATTACATGGAGTCCGGACCCAGGAAGAAGCTGTTTG
 AATACCAGCAGGCTCAGCTGGAGGCTGAGATCGAAAACCTCTCATGGAAAGTGGAGCGTGCAGACAGCTA
 TGACAGAGGGGACTTGGAAGACAGATGCATATAGCGGAGCAGCGGAGGAGAACCCTGCTGAAAGATTTCC
 ATGACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201846 representing NM_006321
 Red=Cloning site Green=Tags(s)

MSVDMNSQGSDSNEEDYDPNCEEEEEEDDPGDIEDYVGVASDVEQQGADAFDPEEYQFTCLTYKESE
 GALNEHMTSLASVLKVSHSVAKLILVNFHWQVSEILDYKSNQAQLLVEARVQPNPSKHVPTSHPPHCA
 VCMQFVRKENLLSLACQHQFCRSCWEQHCSVLVKDGVGVGVSCMAQDCPLRTPEDFVFPPLLPNEELREKY
 RRYLFRDYVESHYQLQLCPGADCPMIVIRVQEPARRRVQCNRCNEVFCFKCRQMYHAPTDCAITRKWLTKC
 ADDSETANYISAHTKDCPKNICIEKNGGCNMQCSKCKHDFCWMLGDWKTHGSEYYECSRYKENPDIV
 NQSQAQAREALKKYLFFYFERWENHNKSLQLEAQTQRIHEKIQERVMNNGTWIDWQYLQNAAKLLAKC
 RYTLQYTPYAYMESGPRKCLFEYQQAQLEAEIENLSWKVERADSYDRGDLENQMHIAEQRRRTLLKDF
 HDT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006321

ORF Size: 1479 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006321.4](#)

RefSeq Size: 3892 bp

RefSeq ORF: 1482 bp

Locus ID: 10425

UniProt ID: [O95376](#)

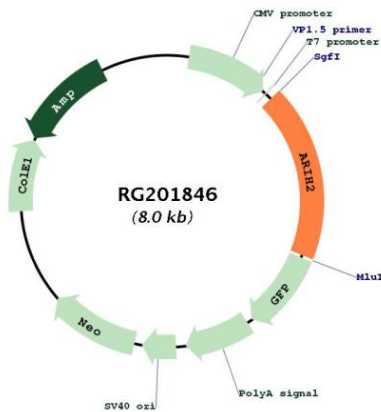
Cytogenetics: 3p21.31

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]

Product images:



Circular map for RG201846