

Product datasheet for **MR207887**

Arih2 (NM_011790) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arih2 (NM_011790) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arih2
Synonyms:	A1843547; ARI2; TRIAD1; UIP48
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207887 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGTGGACATGAACAGCCAAGGGTCAGATAGCAATGAAGAGGACTATGACCCAACTGTGAGGAAG
 AGGAAGAAGAGGAAGAGGACCCTGGGGACATAGAGGACTACTATGTTGGGAGTAGCCAGTGATGTGGAGCA
 GCAGGGGGCTGATGCTTTTATCCTGAAGAGTATCAGTTCAGTTGCTTGACCTATAAGGAGTCTGAGGGC
 GCCCTCCATGAACATATGACCAGCTTAGCCTCTGTCTAAAGGTATCTCATTAGTTGCAAACTTATAT
 TAGTTAATTTCCACTGGCAAGTCTCAGAGATTCTGGACAGGTACAGGTCTAATTCTGCTCAGCTGCTTGT
 TGAGGCTCGAGTTCAACCTAATCCATCCAAACATGTCCACAGCCCATCCCCCTCACCCTGTGCAGTG
 TGTATGCAATTTGTGCGGAAGGAAAACCTACTCTCTGGCTGCCAACATCAGTTTTGCCGAAGCTGTT
 GGAACAGCATTGCTCAGTGCTTGTCAAAGATGGTGTGGTGTAGGAATCTCATGTATGGCTCAGGATTG
 TCCACTTCGAACACCAGAGGACTTTGTATTTCCCTTGCTCCCAATGAAGAATTGAGAGATAAATACAGG
 CGCTACCTCTTTAGGGACTATGTGGAGAGCCATTTCCAGCTCCAGCTGTGCCCGGTGCAGACTGCCCA
 TGGTTATCCGGGTACAGGAGCCTAGAGCCCGCGAGTGCAGTGCATCGGTGCAGCGAGGCTTCTGTTT
 CAAGTGTGCGACAGATGTATCACGCCCCACAGACTGCGCCACAATCCGAAATGGCTCACCAAGTGTGCA
 GACGACTCCGAAACGGCTAACTACATTAGTGCTCACACTAAAGACTGTCCCAAGTGAACATCTGCATCG
 AGAAGAATGGAGGCTGTAATCACATGCAATGCTCCAAGTGAAGCAGGACTTCTGCTGGATGTGTCTAGG
 AGACTGGAAGACGCATGGTAGTGAGTACTATGAATGTAGTCGGTACAAGGAGAATCCTGCATTGTCAAC
 CAGAGCCAGCAAGCACAGGCCAGGGAGGCCCTCAAGAAGTACTTGTCTACTTTGAGAGGTGGAAAAATC
 ACAACAAAAGCTTGACGCTGGAGGCACAACATATGAGCGGATTACAGAGAAGATTACAGGAGGGTTAT
 GAACAACCTGGGAACCTTGATTGACTGGCAGTACCTACAGAATGCTGCCAAGCTCTTAGCCAAGTGTGCA
 TATACCCTGCAGTACACCTATCCATATGCATACTACATGGAATCCGGTCCCAGGAAGAAGCTGTTTGAAT
 ACCAGCAGGCTCAGCTGGAGGCTGAGATCGAAAACCTTTCATGGAAGTTGAGCGTGCAGACAGCTACGA
 CAGAGGGGACTTAGAAAACCAGATGCACATAGCAGAGCAGCGGAGGAGAACCCTGCTAAAGGATTTTCAC
 GACACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207887 protein sequence
 Red=Cloning site Green=Tags(s)

MSVDMNSQGSDSNEEDYDPNCEEEEEEDPGDIEDYYVGVASDVEQQGADAFDPEEYQFTCLTYKESEG
 ALHEHMTSLASVLKVSHSVAKLILVNFHWQVSEILDYRNSNAQLLVEARVQPNPSKHVPTAHPPHHCAV
 CMQFVRKENLLSLACQHQFCRSCWEQHCSVLKDGVGVGISMAQDCPLRTPEDFVFPLLPNEELRDKYR
 RYLFRDYVESHFQLQLCPGADCPMVIRVQEPARRVQCNRCSEVFCFKCRQMYHAPTDCATIRKWLTKCA
 DDSETANYISAHTKDCPKCNICIEKNGGCNHMQCSKCKHDFCWMCLGDWKTHGSEYYECSRYKENPDIVN
 QSQQAQAREALKKYLFFYFERWENHNKSLQLEAQTIERIHEKIQERVMNLTGWIDWQYLQNAAKLLAKCR
 YTLQYTPYAYYMESGPRKKLFEYQQAQLEAEIENLSWKVERADSYDRGDLENQMHAEQRRRTLLKDFH
 DT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011790

ORF Size: 1476 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

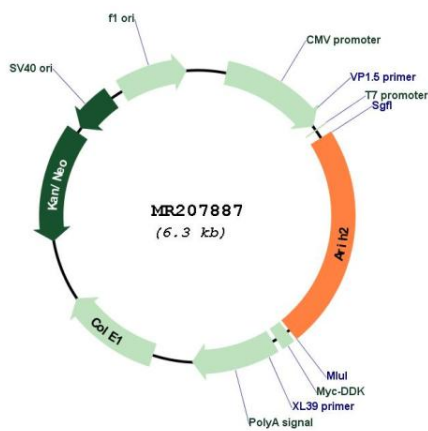
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_011790.5
RefSeq Size:	3924 bp
RefSeq ORF:	1479 bp
Locus ID:	23807
UniProt ID:	Q9Z1K6
Cytogenetics:	9 F2
MW:	57.7 kDa
Gene Summary:	E3 ubiquitin-protein ligase, which catalyzes ubiquitination of target proteins together with ubiquitin-conjugating enzyme E2 UBE2L3 (By similarity). Acts as an atypical E3 ubiquitin-protein ligase by working together with cullin-5-RING ubiquitin ligase complex (ECS complex, also named CRL5 complex) and initiating ubiquitination of ECS substrates: associates with ECS complex and specifically mediates addition of the first ubiquitin on ECS substrates (By similarity). The initial ubiquitin is then elongated (By similarity). E3 ubiquitin-protein ligase activity is activated upon binding to neddylated form of the ECS complex. Mediates 'Lys-6', 'Lys-48'-and 'Lys-63'-linked polyubiquitination. May play a role in myelopoiesis (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207887