

Product datasheet for **RR214713**

Arih1 (NM_001013108) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arih1 (NM_001013108) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arih1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214713 representing NM_001013108
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTCGGACGAGGGCTACAACACTACGAGTTCGACGAGGACGAGGAGTGCAGCGAGGAGGACAGCGCGC
 CCGAGGAGGAGGAGGACGACGACGAGGATGAGCCGGACGATGATAACCTGGATCTCGCGCAGGTGGAGCT
 GGTGGAGCCCGGCTGGGCGTCGCGCGGGAGCGGGACGGACTGCTGTGCGGGGAGACTGGCGGCGCGCGC
 GGCAGCGCTCTGGGTCCCGGAGGCGGTGGCGCGGTGGCGGTGGCGGCGCGCGCCCGGGGACGAGCAGG
 AGGAAGATTACCGCTACGAGGTGCTCACGGCCGAACAGATCCTGCAGCACATGGTGAATGTATCCGGGA
 GGTCAACGAGGTCATCCAGAATCCAGCAACTATCACGAGAATACTCCTTAGCCACTTCAATTGGGATAAA
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 CAAGTAAAAAGTCTCGAAGTCCGAGATGAATACAAGGTCATCAGCACAGGATATGCCTTGCAGATCTG
 CTACTTGAATTACCCTAACTCGTATTTTACTGGCCTTGAATGTGGACATAAGTTTTGTATGCAGTCTGG
 AGTGAATATTTAACTACCAAAATAATGGAAGAAGGCATGGGGCAGACTATCTCGTCTCCTGCGCATGGCT
 GTGATATCTTAGTGGATGACAACACAGTTATGCGCCTGATCACAGATTCAAAAGTAAATTAATAATATCA
 GCATTTAATAACAAATAGCTTTGTAGAGTGCAACCGACTGTTAAATGGTGTCTGCCCCGATTGCCAC
 CATGTTGTTAAAGTCCAGTATCCTGATGCAAAACCAGTTCGCTGCAAGTGTGGCCCGCAGTTTTGCTTTA
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 AAGGATGGTGGTGTAAATCACATGGTCTGTCGTAACCAGAAGTAAAGCAGAGTTTTGCTGGGTGTGTC
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 AACACATGCAGAGTCTACGCTTTGAGCATAAGCTGTATGCTCAGGTGAAACAGAAGATGGAGGAATGC
 AGCAGCACAAATGTCCTGGATTGAGGTGCAGTTCCTGAAGAAAGCAGTTGATGTCCTCTGCCAGTGTG
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 AATAATCAAGCAGATCTAGAAAATGCCACAGAGGTGCTTTCGGGCTACCTGAACGAGATATTTCCCAAG
 ATTCTCTGCAAGATATAAAGCAGAAAGTCCAAGATAAGTACAGATACTGTGAGAGTCGACGAAGGGTTTT
 GTTACAGCATGTGCATGAAGCTATGAAAAGATCTGTGGGAGTACATTGAGGAC

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

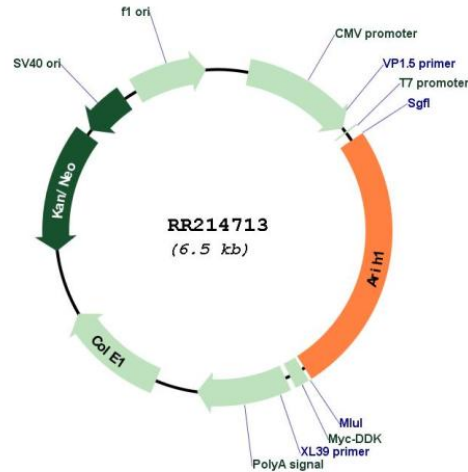
>RR214713 representing NM_001013108
 Red=Cloning site Green=Tags(s)

MDSDEGYNYEFDDEECSEEDSGAEEDDDDEPDDNLDLGEVELVEPGLVGGGERDGLLCGETGGGG
 GSALPGGGGGGGGGGGPGHEQEEDYRYEVL TAEQILQHMVECIREVNEVIQNPATITRILLSHFNWDK
 EKL MERYFDGNLEKLF AECHVINPSKKSRTQMNRSSAQDMPQCICYLNYPNSYFTGLECGHKFCMQCW
 SEYLLTKIMEEGMGQTI SCPAHGCDIL VDDNTVMRLITDSKVKLKYQHLITNSFVECNRLKWCAPDCH
 HVVVKVQYPAKPVRCCKGRQFCFNCGENWHDPVKCKWLKKWIKKDDDDSETSNWIAANTKECPKCHVTIE
 KDGCCNHMVCRNQCKAEFCWVCLGPWEPHGSAWYNCNRYNEDDAKAARDAQERSRAALQRYLFYCNRYM
 NHMQSLRFEHKL YAQVKQKMEEMQHNMSWIEVQFLKKAVDVLCQCRATLMYTYVFAFYLKNNQSIIFE
 NNQADLENATEVLSGYLERDISQDSLQDIKQKVQDKYRYCESRRRVLLQHVHEGYEKDLWEYIED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN:	NM_001013108
ORF Size:	1665 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.

RefSeq: [NM_001013108.3](#), [NP_001013126.2](#)

RefSeq Size: 5130 bp

RefSeq ORF: 1668 bp

Locus ID: 300756

Cytogenetics: 8q24

MW: 64 kDa