

Product datasheet for **MG207972**

Armc9 (BC028964) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armc9 (BC028964) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Armc9
Synonyms:	3830422A13Rik; 4831423D23Rik; 4930438O05Rik; 5730415N24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207972 representing BC028964
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCCGACTACCACAACCTCATCGGTGTACAGCTGAGCTGGTGGACTCTCTGGAGGCCACAGTCAGCG
 GCAAGATGATCACCCCCAGTACCTGCAGAGTGTCTGTGTCCGCTCTTCAGTAACCAGATGCGGCAGAG
 CCTGGCACACAGCGTGGACTTCACGAGGCTGGGACGGCCTCAACCATGTTGCGAGCCTCCTTGGCACCT
 GAGAAGCTGAAGGATGTCCCGCTACTGCCCTCCCTGGATTATGAGAAGCTGAAGAAGGATTTGATCTGGG
 GGAGTGACCGCTTGAAAGCCTTCTTGTTCAGGCTCTGCGCTGGCGCTTGACCACATCCCATCCGGGGGA
 GCAGAGGGAGACAGTCTGCAAGCCTACATCAGCAATGACCTCTTGATTGCCACAGCCATAACCAGAGG
 AGTGTGCTGCAGCTGCTGCACTCCAAGAGCGAGGCTGTGCGGCAGTACATGGCCAGGCTCATCAATGCC
 TGGCGTCACTGGCTGAAGTGCCTGTACCTGGCCAGAACACAAAGGTGCTGCGGATGCTGGAGGGAAG
 GCTCAAGGAGGAAGACAAGGATGTCATCACTCGTGAGAATGTCTCGGGGCTTGCAGAAGTTCAGCCTC
 AGGCGGCCACTGCAGACAGCGATGATTCGAGATGGCCTCATCTTCTGGCTGATCGACCTACTGAAGGACC
 CTGACTGCCTGTCTGACTACACATTGGAGTACTCCGTGGCTTTGCTCATGAACCTCTGCCTCCGAGTGC
 AGGAAAGAATATGTGTGCTAAGGTGGCAGGGCTCATGCTGAAAGTTCTTTCGGATCTCCTTGACACGAA
 AACCATGAGATCCAGCCGATGTGAATGGAGCCCTGTACAGCATCCTCTCCATCCCGTCCATTGAGAGG
 AGGCCAGAGCCATGGGAATGGAGGATATCTGCGATGCTTCATCAAGAAGGCAACGCTGAAATGATCCG
 CCAGATAGAGTTTATCATCAAGCAGCTGAATTCGAAGATTTACTCGATGGTGTCTTGAATCCGACGAT
 GATGAAGATGAAGATGATGAAGAGGATCATGACATCATGGAAGCTGACCTGGACAAGATGAACTGATCC
 AGCCCCAGCTGGGAGAACTCTCAGGCGAGAAGCTTCTAACCACAGAGTACTTGGGAATCATGACCAACAC
 TGGGAAGGCACGGAGGAAAGGGCCGCCAGTGTGCAAGTGGAGTGGGGATGAGCCCTTCGTCGGCCAGTC
 ACCCTGTGGTGGCCACAGGACAGGCTGCCAGTGTAGGAGACCATCTCATTCTCCCCAGAATGCCAAC
 AAGCCAGAAACGGCTGCCTGCGGGCCATGCCAGTCGCTCATCCAGATGACTACAAAGAGGGCAAGCCTGG
 TGTACTGGGTGTGGCACGTCCTCTTCATGTAAGAATGCTGTGGGTGCCAAGCCGGTCTGAGCTCCTGG
 GCTCAAGAATCCAAGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207972 representing BC028964
 Red=Cloning site Green=Tags(s)

MADYHNLIGVTAELVDSLEATVSGKMITPEYLQSVCVRLFNSQMRQSLAHSVDFTRPGTASTMLRASLAP
 EKLKDVPLLPDLDYELKKDLIWGSDRLKAFLLQALRWRLTTSHPGEQRETVLQAYISNDLLDCHSHNQ
 SVLQLLHSKSEAVRQYMARLINALASLAEGRLYLAQNTKVLRLMEGRLEEDKDVTRENVLGALQKFS
 RRPLQTAMIRDGLIFWLIDLLKDPDCLSDYTLSEYVALLMNLCLRSAGKNMCAKVAGMLKVLSDLLGHE
 NHEIQPYVNGALYSILSIPSIREEARAMGMEDILRCFIKEGNAEMIRQIEFIKQLNSEDLLDGVLESDD
 DEDEDDEEDHDIMEADLDKDELIQPQLGELSSEKLLTTEYLGIMTNTGKARRKGPASVQWSGDEPLRRPV
 TPGGHRTGCPVLGDHLISPQNAQQARNGCLRAMPVAHPDDYKEGKPGVTGCGTSSCKNAVGAQPVLSW
 AQESKR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC028964

ORF Size: 1488 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: [BC028964](#), [AAH28964](#)

RefSeq Size: 1735 bp

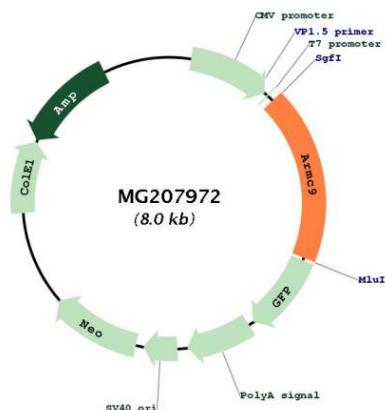
RefSeq ORF: 1490 bp

Locus ID: 78795

Cytogenetics: 1 C5

Gene Summary: Required for ciliogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207972