

Product datasheet for **MC222182**

Armc2 (NM_001034858) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armc2 (NM_001034858) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Armc2
Synonyms:	2610018I05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222182 representing NM_001034858
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCTGTCTTCCAATGACCAGAACTCGAAAAGCTGGATTCTTTTATCGACCTCCAGTGTCCAAACAGA
 GGACAAGTGCAGAAATCATAAGCGAAGCAGAAATGCCTTAAGAACGGTTAGGACCCAAAGACCATTAC
 ACCCGTGAAGACCAAAGGAAGCTATTTGGCCTGCCTCGTCAAGAAGCCAGAAAACAGGCCTCTTCC
 TCCTTCAGCCTTCACGCTTCCAGCTTTGAGTTATCCGATTCCAAGCCTATCTCTGGGACTCGTCTCAGGC
 CACTTGAGCTGAAACCCAAAGCTCCAGCATCTCCGGCACAGAGGATGCCTGCCTCTCTTCCCTAAAGC
 TCCACTGGACCCTGCAAAGATAAGAAAAATCAGTGGGGCCCGAGCAGCTTCTACAGGGCTGCGTCCAG
 GGAATGCTTCTGCCTGACAGATCCCTCTGCCGCCACTCAAAGACCGTGGACGAATCCAGCAAACCCG
 TTAGCGTGGGAGTTCTACAGCGAGAAGGAATGGGACTCATTGACAGCTTCCAGTGCCACTGGCCAGTT
 AAAGAGTCCCCACTTCTCACCTGCGACCAAGGTTTCCAAGAAACCACAGAGCAAGAAGTGTCCCTACTG
 TCTCAGCTCCGACGTGGAGGGGACCTGGGAAACGGCGTGCCAGGGCCTCTCTGTCCTAGCAGCTCAG
 ACCTGAGCAGGAAGGAAACCAGGGCAGCCTCCAGAGCTAGCTCACAGGAACAGGAGACAGACACAGAAGT
 AGATGAAGTCTTCTGAAAGCACGGATTGTTCCATTTTGCATGAATTAGAAAACGAAGAAGACATTGAA
 GAGATGTGTGCAGCTGCACCCAGCTCCATCGCACGCTGGAGGAAGCGCGCATGCTCGGAAAGAAGTTCA
 AGCGAAGAACTGTCTGTGAAGGCTCTGTATAAGCTAGTGGATGCTGACTCGGACCCGCTCAGCCTGAA
 GCTTGCCAAACTTATCTAGCACTTAAAGTGAGTGGAAAGAACCTTCTTAACGTCTGAAACTGATATT
 AAAATCAGCAGGAACGAGAAGAACGACACCCTGATGCAGGAGGATAACATCCTGGAATCATTACTGGAGG
 TACTGAGAGCTGAAGAGCTGCAAAGTAACACCGAGGCTTTTCTCTACTGCATGGGGGCTCGAAATTCGT
 TTCCGGAAGCCCGGGTTTCTTACTGAGATGGTCAACAAGGGTGCAAGTGGAAATATTGGCACAGCTGATA
 AAGGAAATGACGAGGACACGGAGAAGCACGGCGTCTGCCTGCCTGATTCTGGCCATTTGCTAGTGCAGA
 CAACCGGACCTTGAGAACTTAGTCGATTACCACTGACGAGAAGCAAGCTCCTGAACATGGGGCCTT
 TCCCCATCTGACAGTGATGGAACAGCATGCAGACGACAAGGACATCTGTACCAACATCGCCAGAATC
 TTTAGCAAATAACCTCTTACCGCGACTGCTGTGCAGCCTGGCCAGCTATTCCAGGTGTTACGCCCTTGT
 TTCTGAGTCTATTGAACAAATACCAGAAGAACCAGGACTTAGTAATTCGAATTGTTTTATCCTTGGCAA
 CCTGACAGCGAAGAGTAACCGAGCCCGGAACTTTTCTCCAGAGAGACTGGGAGCGTGGAACTCTGCTC
 ACGCTGTTCCAGAGCTTCTATCACCAACAAGGAGAAGTCAACAAAGCTGCAGCTCTCAGAAGCCAAGCCAC
 AGGCAGAGGCCGAGGACGTGTTGGTCAAGCTGACCCGTGCTTGGCAACATCGCCATTACCCGCGCAT
 TGGCCAGTGCTGGCCGCAACCTCGGGTGGTGGCCTGTTGCTGAGAACTCTGGAATCCAAGTCACTG
 GGCGACTGCGAGGAGCTGGTGATCAACACCATAGCAGCCATCAACAATCTGTCTTCTACCAAGTGAAGA
 GCTCTGTCTACAACACAGGAAGCTGTATGTTGCTGAAGTGTCTTAAGGCTCCTTGAGTAACAACAT
 GGAGAGGATTCTGGAGGCTGTGCGAGTCTTCGGAATCTCTCCAGGACCATGACGTCTGCAATTTCTCT
 ATGCAGAAAAATGTACACAAGTTCATGATCACATTGCTGGAAGCCAAGCACCAGGACATTTGCTTCTCTG
 CCTGTGGGGTCTCCTGAATCTCACGGTGGACAAGGAGAAGCGAGCCATTCTGAAAGAAGGTGGTGGCAT
 TAAAAAGTTAGTGGATTGTTTGAAGAGCTTCGGCCCTAGTGATTGGCAGCTGGCCTGCCTGGTGTGCAAG
 ACGCTGTGGAATTCAGTGAAAACATACCAACGCATCCGAGTGTTTTGGAGATGATGTCGCAACACAC
 TCCTCATCCTCTTGTGACATTTTTAGATGAAGAAGTACGCTGAATGGCAGTTTTGACCAAGACTTAGA
 AAGCTACCACAGGCTCCACTGGGAAACGGAGTTCAAGCCTGTGGCCAGCAGCTTCTGCAACGCATCCAG
 AGCCACCACTCGTCTGGAGCCCTGCCTGTCCCTTCTTCT**TA**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001034858

Insert Size: 2565 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001034858.3, NP_001030030.2</u>
RefSeq Size:	4865 bp
RefSeq ORF:	2565 bp
Locus ID:	213402
UniProt ID:	<u>Q3URY6</u>
Cytogenetics:	10 B2
Gene Summary:	Required for sperm flagellum axoneme organization and function (PubMed:30686508). Involved in axonemal central pair complex assembly and/or stability (PubMed:30686508). [UniProtKB/Swiss-Prot Function]