

## Product datasheet for **MR231279**

### **Armc3 (NM\_001271564) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Armc3 (NM_001271564) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Armc3
Synonyms:	4921513G22Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR231279 representing NM\_001271564  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGTAAAAAGATAAAGAAGGAAGTTGAACCTCCCCCTAAGGATGTGTTTGACCCAATCACAATTGAAA  
 GCAAAAAGGCAGCCACTGTGGTCTGATGCTCAAGTCTCCAGAGGAAGACATCTTAGCCAAAGCCTGCGA  
 AGCCATCTATAAGTTTGCTCTGAAAGGTGAGGAGAATAAAGCAACTCTCCTTGAACCTGGAGCTGTGGAG  
 CCTTTGACCAAAGTCTCACCACGAAGACAAAAGTGAAGAAGAAATGCTATGATGATCTTTGGTATTC  
 TGGCTTCTAACAGTGATGTTAAGAAGCTCTTGAGGGAGTTAGAAGTTATGAATTCAGTGATTGCTCAGCT  
 CTCCCCAGAAGAAGAAGTTGTCATCCATGAGTTTGTAGTCTTTGTCTTGCGAACATGTCCTGAGAGTAC  
 ACAGGGAAAGTCCAGATATTTGAGCATGGTGGACTGGAGCCGCTCATCAGACTGCTGAGCAGCTCGGACC  
 CGGACGTGAAGAAGAATTCTATTGAGTGCATCTACAAGTTGGTACAGGATTTTCAGTGTCGGACTACACT  
 TCAAGAGCTAAATGCAATCCCTCCGATATTAGAAGTTTGGAGTCAAGTACCCATTATCCAGCTGCTG  
 GCTCTCAAAACCTTGGGTGTCATCACGTGCGATAAGGAGGCTCGGACGATGCTGAAGGAAAATCAAGGGC  
 TGGACCACCTCACCAAGATCCTGGAGACCAAGGAAGTGAATGACCTTCATGTAGAAGCACTCTCAGTGAT  
 AGCCAACTGCCTGGAGGATATGGACACCATGGTCTGATGCAGCAGACAGGGAGCCTCAAAAAGTCCCTG  
 TCATTCGAGAGAGCTCCACAATTCCTGACATTCAGAAGAACGCAGCCAAAGCTATTGCCAAAGCAGCTT  
 ATGACCTGAAAAAGAAAAGTTTTCACGAACAAGAGGTTGAAAAATGCCTGGTACTCTCTGGGATC  
 TGACAGCGATGGAACCAAGATTGCTGCTCCCAGGCTATTTACGCCCTGTGTGAGAACTTGAGCTGCAAA  
 GAATTTTTCAACCCAGGGGATTCACAGATAGTTAGTTGCTCAGAAGTGACAATGAGGAGGTGAGGG  
 AAGCTGCCGCACTGGCCCTGGCAAACCTGACACCAGCAGCCCTGCAAAATGCCAATGCTGCTGCAGAA  
 AGATGCCATTGACCCGCTGATTAACATCCTGTGAGCAAGCGGGATGGAGCCATTGCCAATGCTGCCACA  
 GTGCTGACCAACATGGCCACGCAAGAGCCTCTGCGAGCTATCATCCAGAACCATGAAATAATGCACGCAC  
 TGTGGGCCCCCTGCACTCCACCAACACCTTGGTGCAGAGCACTGCAGCGCTCACCGTGGCTGCCACTGC  
 CTGCGAGCTGGAAGCCCGCACCCAGTTGAGGAACTGCGGTGGTCTGGTGGCCCTGGTTGGCTCCTGCAC  
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 CAGTTGAGTTATGCAGGCTCGGGGCCCTAAATATCCTTGAAGAAATTAATCGATCATTAGTCGGAAAA  
 TAAATTCAGTGAGGCAGCCTATAACAAATGCTAAACAACAATCTTCCCTGAAAACAGCCAGACTGGC  
 TATTTGTCATCAAGCAATATAATTAGCGATGGATTCTATGATTACGGTCGGATAAATCCTGGCACCAAC  
 TTTTGTCACTGAAGGAAGTGTGCTTACAGGAGCTGAATGATCAACGTGCTATTCTATTAGTCAACAATAA  
 ATCTGACACCTCTCCACCTCCATCTATGGAGGATAAATCATCGGACGTTGGCTATGGACGAAGCATTCT  
 TCTTATCTTCTTAAGAAGGGGAAGCAAGGAGAAGGCCAATGCTATATTTGGATCTCCTACAGAAGAAA  
 AATCCGAGCCAGCATCAGTACGGAACACTATCCTTAGCAGAGCTTTCACCAAAGAGAAGGGAGTAAGGAA  
 AGGGAAAGGGAAAAAAGAAGAAGAGAAAGTGAAGAGGAAGAAGAGATCCTGGCACTGCCAAGTTCACG  
 GAAGGCAGCCCTGAGAAAGAGTGAACCCCTCCTCCTGACCCTGAGTTCGTGTGTATGTGCTGGAGGTGA  
 CCAAGTCGATACTGCCATTGTCAACCTAAGGAGCAGATTGAGGTCCTTGCCAAGTATGTGGCAGATAA  
 AATGGGCGGTAAGATTCAAAAGAGAAGCTAGCTGATTTACAGTGGGAACCTCATATAAGTGAGTTGAAA  
 TTTCAACTGAAATCCAATGTCGTACCAATTGGATACATCAAGAAGGGAATCTTTTATCATCGAGCGTTGC  
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 ATCGTGGATCTCATGTTCCACCCGGGAACCTGCTGAAGCTGCGCAGCAAGAGGCTGACCTCTACCGCT  
 TTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231279 representing NM\_001271564  
 Red=Cloning site Green=Tags(s)

MGKKIKKEVEPPPDKVDFDPITIESKKAATVVMLKSPPEEDILAKACEAIYKFALKGEENKATLLELGAVE  
 PLTKLLTHEDKTVRRNAMMIFGILASNSDVKLLRELEVMSVIAQLSPEEEVVIHEFASLCLANMSVEY  
 TGKVQIFEHGGLLEPLIRLLSSSDPDVKKNSIECIYNLVQDFQCRTTLQELNAIPPILELLRSEYPIIQLL  
 ALKTLGVITCDKEARTMLKENQGLDHLTKILETKELNDLHVEALSVIANCLEDMDTMVLMQQTGSLKKVL  
 SFAESSTIPDIQKNAAKAIAKAAYDPENRKVFHEQEVEKCLVTLGSDSDGTKIAASQAI SALCENLSCK  
 EFFNTQGIPQIVQLLRSDNEEVREAAALALANLTTSSPANANAAAEADAIDPLINILSSKRDGAIANAAT  
 VLTNMTAQEPLRAIIQNHEIMHALLGPLHSTNTLVQSTAALTVAATACDVEARTQLRNCGGLVPLVGLLH  
 SKNDEVRRHASWAVMVCAGDEPMAVELCRLGALNILEEINRSLSRKNKFSEAAYNKLLNNNL SLKYSQTG  
 YLSSSNIISDGFYDYGRINPGTKLLSLKELCLQELNDQRAILLVNNKSDTSPPPSMEDKSSDVGYGRSIS  
 SSSSLRRGSKEKANAIFGSPTEEKSEPAVRNTILSRAF TKEKGVKKGKKEEKEVKEEEEILALPKFT  
 EGSPEKEWNPPDPFEFCVYVLEVTKSILP VNLKEQIEVLAKYVADKMGKIPKEKLADFSWELHISELK  
 FQLKSNVVPYIGYIKKGFYHRALLFKALADKIGVGC SLVRGEYSRGWNEVKLVNEARKGMIGNLPPPEEY  
 IVDLMFHPGNLLKLSKEADLYRFL

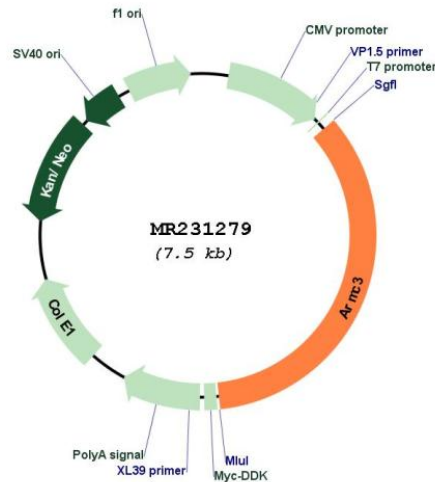
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001271564

**ORF Size:** 2595 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\\_001271564.1](#), [NP\\_001258493.1](#)

**RefSeq Size:** 2956 bp

**RefSeq ORF:** 2598 bp

**Locus ID:** 70882

**Cytogenetics:** 2 A3

**MW:** 95.9 kDa