

Product datasheet for MR205101

Armc12 (NM_026290) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Armc12 (NM_026290) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Armc12
Synonyms: 4930511I11Rik; AV041658
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR205101 representing NM_026290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAAGACCATTCCCCGGTTCCTGGAGCAACTGGACCTCATCAAAGCTTCGTGGCCCTGGCTACAG
 GCGCCGGGGCCTTATACCTGCTGTACAAGGCCGTGAGGACTGGCTTAAATGTCATCCGCCACTCTGCTC
 CAACTCGCCGATCTGCATTGCCCGCTGGCCATCGAGAGAGAGCGCCACGGGCGGGACTCCGGTGAGATT
 CGAAGACTTCTCAACTCTCTAGACTGCAAACAGGATGAGTATACCAGGAGCATGATCCTTCATAACATCA
 CCCGCTGCGTGTACTTGTGGAGGCTGAGGCCTTCTTGTACTATGGATGACATCGACTGGTGGCTGA
 CATGCTAGATGAGAAGGACAACAGTGTAATAATCCAAGCTCTGAATGCACTTAAAGCTTTCTCTGGCATC
 AGGAAATTCAGGCTCAAATCCAGGAGCATTGCATCAAGGTAAGTGAAGTGAATTTCCACCATCTGGGACT
 TGGAAATTCACGTAGCTGGTCTCCGATTGCTCAACAACCTCCCGCTACCTGACTATGTGCACCCACAGCT
 GCGGCGGGTGTGCTGCCCTGATGGAGATCATACAGTCAGACTGCATCCTGGCACAGGTACAAGCTGTC
 CGCCTCTGAGTTACCTGGCACAGAAGAACGACCTTCTTATGACATTCTCAACTGTCAGGTGCGTCCCA
 ACTTCTGAACCTCTCCAGTCTTCACAGCCGGGAGTCTGCTGTTTCGAGGTGCTGGTGTTCGCGGAACA
 CTTGAGTGAAGGTCGGAACGCCACCCACTACCGAGCGGTCAAATGGCATTACAACGAGCAATCCCTGCAC
 GAAGCCCTCTTTGGGGATGAGTCCAGACTGGCAGACCCACTGCTCCTCCCTGGTCAATCCACCTGAGGAGG
 AAGTTTCAGATCCAGGCCTGCAAAGTCATAGTGAGCTTGAGTGTCCCGAGGACCTGGGATCCCGACCCCTC
 TTCTGCCGACCTAGCCATTCTGCTTTAAACCGGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205101 representing NM_026290
Red=Cloning site Green=Tags(s)

MGKTIPRFLEQLDLIKSFVGLATGAGALYLLYKAVRTGLKCHPPLCSNSPICARLAIERERHGRDSGEI
 RRLNLSLDCKQDEYTRSMILHNI TRCVYLLEAEASSCTMDDIDL VADMLDEKDNSVKIQALNALKAFSGI
 RKFR LKIQEHCIKVL ELI STIWDLELHVAGLRLLN NLPDYVHPQLRRVMPALMEIIQSDCILAQVQAV
 RLLSYLAQKNDLLYDILNCQVRPNFLNLFQSSQPGSLLFEVLVFAEHLSEGRNATHYRAVKWHYNEQSLH
 EALFGDESRLADRLLSLVIHPPEEVQIQACKVIVSLQCPQDLGSRPSSCRPSHSCFKTGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026290

ORF Size: 1020 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_026290.3](#), [NP_080566.2](#)

RefSeq Size: 1103 bp

RefSeq ORF: 1023 bp

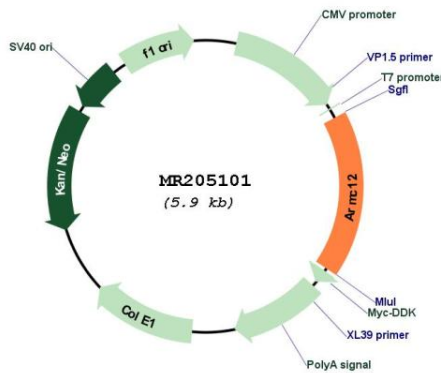
Locus ID: 67645

UniProt ID: [Q80X86](#)

Cytogenetics: 17 A3.3

MW: 38.5 kDa

Product images:



Circular map for MR205101