

Product datasheet for **RR217090**

Armc8 (NM_001173354) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armc8 (NM_001173354) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Armc8
Synonyms:	RGD1310477
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR217090 representing NM_001173354
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCGTGCCTGTTGGAGACCCCAATCCGCATGAGCGTCTCTCGGAGGTAACAGCTAGCAGTCCGCACT
ATGTTGACAGGCTATTTGACCCTGATCCCCAGAAAGTTCTCCAAGGTGTCATAGACATGAAAAATGCTGT
AATTGGAAACAATAAACAGAAAGCAAACCTCATCGTTCTAGGAGCTGTCCCGAGATTGTTGTATTTGCTC
CAACAAGAAGCCTCAAGCACAGAGCTGAAAAGTGTGAGTGTGAGTGGTGTAGGGAGCCTTGCAGTGGGCA
CAGAAAACAATGTCAAGTCTCTGCTAGACTGCCATATCATCCCTGCCTTACTACAAGGACTACTGTCCCC
AGACCTGAAGTTCATTGAAGCTTGCCCTCCGATGCCTACGGACAATCTTACCAGTCTGTCACTCCAGAG
GAACTATTGTATACAGACGCCACAGTGATACCACACCTCATGGCGCTGCTGAGTAGGTCCCCTACACCC
AGGAGTATATCTGCCAGATCTTCTCACACTGTTGCAAAGGACCAGATCATCAAACAATTTTGTAAACCA
TGGGGCAGTGCAGAACATTGCTCATCTGCTGACCTCACCTCTTACAAAGTTCGAATGCAAGCTCTGAAA
TGCTTCTCAGTGTAGCCTTTGAGAATCCCCAGGTATCGATGACCCTGGTAAACGTTTTGGTTGATGGGG
AATTGTTACCACAGATATTTGTGAAGATGTTACAGAGGGATAAGCCTATTGAGATGCAGCTCACATCAGC
AAAATGTTAACTTACATGTGCAGAGCGGGAGCAATCCGGACAGATGACAGCTGTATTGTATAAAACT
TTGCCCTGTTTGGTTTCAATGTGCGAGTAAGGAGAGATTACTAGAGGAGAGAGTTGAAGGAGCTGAGACCC
TCGCCTATCTGATTGAGCCAGACGTTGAGCTGCAGAGAATCGCTAGCATAACCGATCACCTCATTGCCAT
GCTGGCTGACTATTTCAAGTACCCAGCTCAGTGAAGTCCATCACTGATATTTAAAGGCTTGATCACGAC
TAAAAACATGCCCATGAACTCCGCCAGGCTGCATTCAAGCTCTATGCCTCTCTCGGAGCAAAATGATGAAG
ACATCCGGAAGAAGATCATTGAGACTGAAAATATGATGGACCGAATTGTGACTGGCTTGTCTGAGTCTAG
TGTCAAGGTGCGGTTAGCTGCTGTCAGATGTTTGCACAGTTTATCCAGATCTGTACAGCAGCTTCGAACC
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AGGAGCTGTTGAGCTGCTCTGTGGGTTGACACAGAGTAAAAACCCGCTCTGCGAGTGAACGGGATTTGG
GCTTTAATGAATATGGCATTTCAGGCAGAACAAAAATAAAAGCAGATATTTACGAAGTTTGAAGTACTG
AACAGCTATTCGGTTATTATCAGATTCTGATATGAATGTGTTGATGAAGACATTGGGACTTCTTAGAAA
TCTCCTCTACTCGGCCTCACATAGATAAAAATAATGAGTACTCACGGAAAGCAGATTATGCAGGCTGTC
ACCCTGATTCTGGAAGGGGAGCATAGCATGGAAGTCAAAGAGCAGACACTGTGCATCCTAGCCAACATTG
CAGATGGGACAACAGCAAAGAGCTTATTATGACCAATGATGACATCCTGCAGAAAATCAAATACTATAT
GGGTATTTCGCATGTCAAAGTGCAGCTTCCCGCCATGTTTTGTATATCAAACCTCATATGGAATGAAGAG
GAAGGTTACAGGAACGCCAGGATAAATTACGAGACATGGGGATTGTAGATATTTTACACAAACTGAGTC
AGTCGACAGACTCCAACCTCTGTGACAAGGCGAAGACGGCGCTGCAGCAGTACCTGGCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217090 representing NM_001173354
Red=Cloning site Green=Tags(s)

MACLLETPIRMSVLSEVTASSRHYVDRLFDPDPQKVLQGVIDMKNNAVIGNNKQKANLIVLGAVPRLLYLL
 QQEASSTELKTECAVVLGSLAMGTENNKSLLDCHIIPALLQGLLSPDLKFEIACLRLCLRTIFTSPVTPE
 ELLLYTDATVIPHLMALLSRORYTQEYICQIFSHCCKGPDHQTILFNHGAVQNIHLLTSPSYKVRMQALK
 CFSVLA FENPQVSM TLVNV LVDGELL PQIFVKMLQRDKPIEMQLTS AKCLTYMCRAGAIRTDDSCIVLKT
 LPCLVRMCSKERLLEERVEGAETLAYLIEPDVELQRIASITDHLIAMLADYFKYPSSVSAITDIKRLDHD
 LKHAHEL RQA AFKLYASLGANDEDIRKKI IETENMMDRIVTGLSESSVKVRLAAVRCLHSLSRVQQRLT
 SFQDHAVWKPLMKVLQNAPDEILVVASSMLCNLLLEFSPSKEPILESGAVELLCGLTQSEN PALRVNGIW
 ALMNMAFQAEQKIKADILRSLSTEQLFRLLSDSDMNVLMKTLGLLRNLLSTRPHIDKIMSTHGKIQM QAV
 TLILEGEHSMEVKEQTLCILANIADGTTAKELIMTND DILQKIKIYYMGHSHVKLQLAAMFCISNL IWNEE
 EGSQERQDKLRDMGIVDILHKL SQSTDSNL CDKAKTALQQYLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001173354

ORF Size: 2019 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_001173354.2](#), [NP_001166825.1](#)

RefSeq Size: 4447 bp

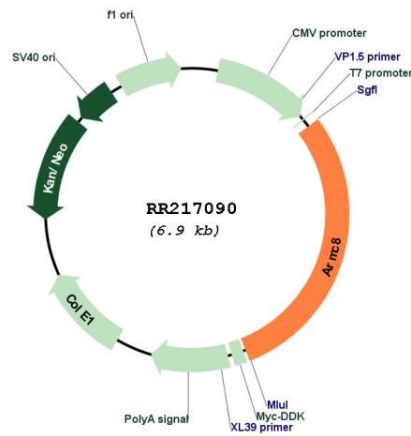
RefSeq ORF: 2022 bp

Locus ID: 315949

Cytogenetics: 8q31

MW: 75.4 kDa

Product images:



Circular map for RR217090