

Product datasheet for **MR217917**

Armcx2 (NM_026139) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armcx2 (NM_026139) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Armcx2
Synonyms:	3230401N03Rik; AI043003; ALEX2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR217917 representing NM_026139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCGAGCTCGGGATGCTGGCTGTGTAGCTGCTGGAATAGTGATTGGGGCAGTGCCTGGTACTGTG
 TCTACAAATATACTAGGGGAAAAGACCAGAAGAAGAAGAGGCTGACCAAGCCAAGAACCGGCCTCTGT
 GGGTACTGGAAGCAGGGCTAGAGCGGGCCTCAGAGCTGGATTACAATTGACCTTGGGCCAGGATTCAGT
 CCCCCAAACCCCGTCGATATTGAGATAATGAACAAGGCCCAAGGAGAAGCCTCCAATCTTGCCACCACCG
 TAGCTGAAGAAGTGGCACCAGCTGCACCCAGTCTAAGTTTCAAGATGGGGCAGAAAAGTAAGGTCCAGGA
 GTTAAATGGGGCTAAAAGTGGGCTAATCTGGAATCAGTAGTCATGCCTTCAGCTACCTGTACAGTTACA
 CCTCTCCCAAGGTGGCAGGGGGTCTCACTGCTGCAGAGGCTCCAGAAATCATAGGAGCTCCAAAGTGC
 TGAAGCTCCCAGCACCACAGAGGCTTCTGGGGCAGTAGCAGCCCTGGACCAACAGTATCTCCAATGAT
 AGCCAGACTCCTGGGCCAGTGGTACCTTCGCCAACAATAGTGTCTACTGGGCCAGCAGCAATTCCTGG
 GCAGTGGCACATCCCGGGGCTGTCCAGTCTCCTGGGCCAGCAGTACCTCCATGGCAGTCCAATCTCTTG
 TGCCAGCAGCACCTTCTGGGCAGTAGTAGCACCTCCTGGGGCAGTCTACATTCCTGTGGCAGCCCACTT
 TGCTGGGCCAGCAGCAGCTTCCAGGGTAACCCAGTCTCCTGGGACGGTGATACCTCCCCTTCCACCCCA
 TCATCAGTACTTCCCAGGGGAGTCCCATCAGTACCTGGCAGAACAGTCCAGTCTCCTGGGGCAGCCGTGC
 ATCCTGTGGCAGCCCAATCTACTGGGGTAGTAGTGCCCTCCTAGGGCAGTACAGTATTCTGGGGCAGCAGT
 GACTTCTGGAGGGGCAGCAGTACCTTCCGGAGGGGCAGCAACTCCTAGGGCAGCAGCATCTACCCAGAGG
 ACAGCAAGCACAGAAGTCATGCAGTCCCTAGGGTGGCAGCAGCTACTGAAGCCACAGAGACTCCTAGAA
 TAGGAACACCTGCCATGGTAGTGGCTTCTCTGCCCGTGCATCTGGGGCTGCAGAGAATCCTGGGAC
 TTCAGGGTCTCTAAGACAGCAGCCACTGGCAAGAAAGCAGCCCTGGAGCTCACACTGGGGCTATACCT
 AAAGCTGGGTGAGCCACTGGAGCTGTACCCAAAGTGGAGGAGGCAAGGGTGGAAAACAAGAACCGGAGTG
 GAGGCAAGGGCAAAAATAGGAAGAACAAGGTTGATGTGGATGAGTTGGGGATGGGTTTCCGTCCTGGTGA
 TGGGGCTGCAGCTGCGGCGGGGCTTCTGCTAATGGGGGCAGGCCTTCTAGCAGAGATTCCGGAATCT
 GAGGAAGGGGAATCTGGGTGGACTGACACAGAGTCCGATTCTGACTCTGAGCCGGACGTCCCGCAGAGAG
 GGAAGGGGAAGAGAACCATTCCCATGCATAAGCGCCCTTCCATATGAAATTGATGAGATCCTAGGTGT
 TCGAGATCTCAGGAAAGTCTAGCCTTGCTTCAAGTCAAGTATGATCCCTTCATTAGCAAGTAGCCCTG
 CTCACCCTGAGCAACAATGCCAATTATTCATGTAATCAAGAAACAATCCGAAAGTTGGGAGGCCTCCCAA
 TTATTGCAACATGATCAACAAAAGTACCCCCACATTAAAGGAAAAGCCTTAATGGCCATGAATAACCT
 GAGTGAATAATGAAAACAGGGCAGACTTCAGGTGTACATGAATAAAGTATGATGATATTATGGCT
 TCTAACCTGAACTCAGCGGTACAGGTAGTTGGGCTAAAATTTTTAAACAAACATGACTATTACTAATGACT
 ACCAGCACCTGCTTGCAATTCATTGCCAACTTTTTCCGCTTGTATCTCAGGGGGGTGGAAAAATCAA
 GGTTGAGATTCTGAAAATACTTTCAAACCTTGTGAAAATCCGGACATGCTAAAGAAACTTCTCGGTACC
 CAGGTGCCGTATCATTAGTCCCTTTATAATCTTATGTGGAATCAGAAATCTTATTAATGCCCTTA
 CTCTATTTGAGATTATCTTCGACAACCTCAGAGCAGAAGTGTCAACTACAGGGAATTCAACAAGGGGTC
 CCTGTTTTACTTATGCACTACATCTGGGGTGTGTGTAAGAAAATTCGAGCCTTAGCAAAATCACCACGAC
 CTCTTGGTGAAAGTAAAAGTTATAAAGCTGGTAAACAAATTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217917 representing NM_026139
Red=Cloning site Green=Tags(s)

MSRARDAGCVAAGIVIGASAWYCVYKYTRGKDQKKKRLTKPKNRASVGTGSRARAGLRAGFTIDLGPFGS
PPNPVDIEIMNKAQGEASNLATTVAEEVAPAAPSPKVQNGAESKVQELNGAKTEANLESVMP SATCTVT
PPPKVAGGLTAAEAPEIIGAPKVL EAPSTTEASGAVAAPGPTVSPMIAQTGPVVP SPTIVSTGPA AIPW
AVAHPGAVQSPGPAVPPMAVQSLVPAAPSWAVVAPP GAVYIPVA AHFAGPAAASRV TQSPGTVIPPLPPP
SSVLPRGVPSVPGRTVQSPGAAVHPVAAQSTGVVPPRAVQYSGAAV TSGGAAVPSGGAATPRAAASTQR
TASTEVMQVPRVAAATEATETPRIGTPAMVAEASLPVHSGAAENPGTSGSSKTAATGKKAAPGAHTGAIP
KAGSATGAVPKGGGGKGNRSGGKGNRKNKVDVDELGMGFRPGDGAAAAAASANGGQFLAEIPES
EEGESGWDTESDSDSEPDVQQRGKGR TIPMHRPFYPYEIDEILGVRDLR KVLALLQKSDDPFIQQVAL
LTL SNNANYSQNQETIRKLGGLPIIANMINKTDPHIKEKALMAMNNL SENYENQGR LQVYMNKVMDDIMA
SNLNSAVQVVGLKFLTNMTITNDYQHLLVNSIANFFRLLSQGGGKIKVEILKILSNFAENPDMLKLLGT
QVPSSFSSLYNSVYESEILINALTLFEIIFDNLRAEVFN YREFNKGSLFYLC TTSVGVCKKIRALANHHD
LLVKVKVIKLVNKF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9028_g09.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_026139

ORF Size: 2352 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_026139.4](#), [NP_080415.3](#)

RefSeq Size: 3790 bp

RefSeq ORF: 2355 bp

Locus ID: 67416

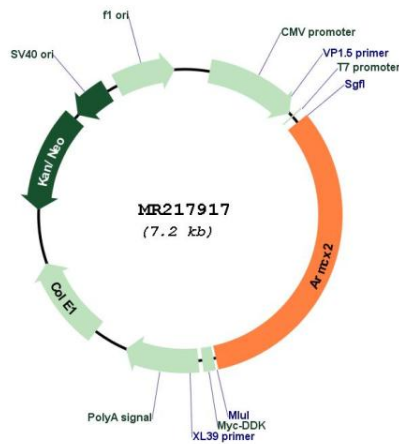
UniProt ID: [Q6A058](#)

Cytogenetics: X E3

MW: 81.5 kDa

Gene Summary: May regulate the dynamics and distribution of mitochondria in neural cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217917