

Product datasheet for **MC204026**

Armcx1 (NM_030066) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armcx1 (NM_030066) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Armcx1
Synonyms:	3010033I09Rik; ALEX1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021410
 CCACGCGTCCGGCAGGCCTGCTGCGGAAGGAAGAGGAGAAGGGTGCAGCACCTTTTGAACAAAGAAATA
 ATCAACATCGAATTTCTGCATGTCAATTTAAAGCTGAGACTGTCTGCGACCTGCATATAAGTGGTGCCTG
 TATCTGTGGCTCTCGCTCCAGACTAAACCAAGAAGCAGGGAAGGGAGGAAAACTCCCAGAATCAAATCT
 GCAAGAGGCTGGAAGGAGGAAGAACTTCTTGGATCTCTGAGGGTATATGTGAGGGTGTCTCTGTGACC
 CTGACTCAAGACATCTGCTGCAAGGGTATCACTGTATCTGCTGTTGTAGCTGCTCCTAACCTGCAGAATC
 TGAAGACTTTACCTCTGACCTGAGAACAAGTCAGCTCTGTGTCCAGCTTAAGAGATTACCCCGAGTGA
 CGATGGGTGCGACCCGGGAAGCTGGATGTGTGGCTGCAGGCATGGTCATTGGGGCTGGTGCCTGCTACTG
 TGTATACAGACTGACCTGGGAAAAAGATGAGAATGAGAAGTTGTGGGATGAGGAAGAGGAGGAAGAGGAG
 GAAGAGGAGGAAAAAGTCTTGTAGTGACAAAAGTGAAGAACTTAAGACTAATGTTGGGGTAGGGGCGA
 GAGGCAAACTCAAGATGACTCAAAGTCCAAGGTTGAGGTGAATGTGGACCTGAGAATGGTCCAGGTGT
 AAAGAAAGAGTGCACCCAGAATCCCAGAGTGGGGTGGACTAGAGGCTAAGGCCAAGGCCCTTTTCAAG
 ACTCTAAAGAACAGGCACGTGCAAAGGCAGGCAGAGGCATAAGGCTTCTAACATCTCTAGGAATAGGA
 CCCTGACATCAAGTTTGCCTTGCCAGGAGGCAGGGTGGAGGCTGCCACCCGGGAAGGACTGGTCTAG
 GGCTAGGAACAGGACAAGTGGGAAAGTCAAGAGAAAGAACCGAAGCAAGCAACAAGGCTCCAGCCACA
 GCATGGCCTGTACGCAAGGGCAAGTTCAGCTTTCCCTATAAAAATTGATGATATTCTGAGCGCCCTGATC
 TTCAAAGGTCCTGAACATCCTGGAGAGAACAAATGACCCTTTTACTCAGGAAGTAGCACTGGTCACT
 GGGTAAACATGCAGCATATTCATTTAATCAAAACGCCATCCGTGAGCTGGGTGGAGTCCCCATTATTGCA
 AAGCTGATAAAAAACAAGAGACCCATTATTAGGAAAAAGACTTACAATGCTCTTAATAACTTGAGCGTTA
 ATTCTGAGAATCAGGGCAAGATTAAGACTTATATCAGTCAAGTGTGTGACGATACCATGGTTTGCCGCTT
 GGACTCAGCCGTCCAGATGGCTGGATTAAGACTCCTTACCAACATGACTGTAACATACTACCAACAT
 TTGCTTTCCTATCTTTCCAGATTTCTTTGCTTTGTTATTCTGGGAAACCACTTACCAAGATACAGA
 CTATGAAACTGATTATAAATTTTACTGAAAACCCAGCCATGACAAGAGAGCTGGTCAGTTGTAAAGTACC
 TTCGGAATTGATTTCTCTGTTTAAATAAAGAAATGGGATAGAGAGATTCTTCTTAACATTCTTACCCTTTT
 GAAAATATAAACGATAACATAAAAAAGTGAAGGGCTTGCATCCTCCAGGAAGGAATTCAGCAGGAGCTCAC
 TGTTTTCTTATTAAAGAGTCTGGAGTATGTGTGAAGAAAATCAAAGCATTAGCAAGCCATAAGGATCT
 GGTGGTCAAAGTGAAGTTCTAAAAGTCTTAACAAAATTATAATTTTAGATCTGTTCTAAACAACACTGA
 TGTGATGTTTCTAAGTTTGCACGTGGGAACAATGCATTTTGTGAATTCTTAGGTTTTATTGCGCTTGT
 GTAGCAAAGGGATCCTTTGAGCTGCTATTTAGGAATAATGAACATCACAGATTATCAATACCCATTGATG
 CTGGCTTTAGATTGAGCCACTTTAAGTATGCCAAATATATATTAGGGCTTGCACAAGAAAAACATTTATT
 AAAGTGTCTATCTAGGTTGAGATATTTTATTGTTAACTAACTGACAGTGAAGTAACTATATGTCATA
 AATAAGCTATACTTTTGTATTGATTTAAATTTGTTTCATCTAAGAGTTGTGCTTTATCAATAAAGTTATGT
 TTAAGCAGAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAA

Restriction Sites: RsrII-NotI

ACCN: NM_030066

Insert Size: 1371 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.

RefSeq: [BC021410](#), [AAH21410](#)

RefSeq Size: 2313 bp

RefSeq ORF: 1371 bp

Locus ID: 78248

UniProt ID: [Q9CX83](#)

Cytogenetics: X E3

Gene Summary: Regulates mitochondrial transport during axon regeneration. Increases the proportion of motile mitochondria by recruiting stationary mitochondria into the motile pool. Enhances mitochondria movement and neurite growth in both adult axons and embryonic neurons. Promotes neuronal survival and axon regeneration after nerve injury. May link mitochondria to the Trak1-kinesin motor complex via its interaction with Miro1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses a different splice site in the 5' UTR, compared to variant 1. All variants encode the same protein.