

## Product datasheet for **MR215987**

### **Armcx1 (NM\_001166377) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Armcx1 (NM_001166377) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Armcx1
Synonyms:	3010033I09Rik; ALEX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR215987 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGTCGCACCCGGAAGCTGGATGTGTGGCTGCAGGCATGGTCATTGGGGCTGGTGCCTGCTACTGTG  
 TATACAGACTGACCTGGGAAAAGATGAGAATGAGAAGTTGTGGGATGAGGAAGAGGAGGAAGAGGAGGA  
 AGAGGAGGAAAAGTCTTGTAGTGACAAAAGTGAAGAAAGTAAAGACTAATGTTGGGTAGGGGCGAGA  
 GGCAAACCTCAAGATGACTCAAAGTCCAAGTTGAGGTGAATGTGGGACCTGAGAATGGTCCAGGTGTA  
 AGAAAGAAGTGCACCCAGAATCCAGAGTGGGGTGGACTAGAGGCTAAGGCCAAGGCCCTTTTCAAGAC  
 TCTAAAGAACAGGCACGTGCAAAGGCAGGCAGAGGCATAAGGCTTCTAACATCTCTAGGAATAGGACC  
 CTGACATCAAGTTTGCCTTGCCAGGAGGCAGGGTGGAGGCTGCCACCCGGAAGGACTGGTTCTAGGG  
 CTAGGAACAGGACAAGTGGGAAAGTCAAGAGAAAGAACCGAAGCAAGAGCAACAAGGCTCCAGCCACAGC  
 ATGGCCTGTACGCAAGGCAAGTTCAGCTTTCCCTATAAAAATTGATGATATTCTGAGCGCCCTGATCTT  
 CAAAAGGTCTGAACATCTGGAGAGAACAATGACCCTTTTACTCAGGAAGTAGCACTGGTCACACTGG  
 GTAACAATGCAGCATATTCATTTAATCAAAACGCCATCCGTGAGCTGGGTGGAGTCCCCATTATTGCAAA  
 GCTGATAAAAACAAGAGACCCCATTTATTAGGAAAAGACTTACAATGCTCTTAATAACTTGAGCGTTAAT  
 TCTGAGAATCAGGGCAAGATTAAGACTTATATCAGTCAAGTGTGTGACGATACCATGGTTTGCCTGG  
 ACTCAGCCGTCCAGATGGCTGGATTAAGACTCCTACCAACATGACTGTAACATACTACCAACATTT  
 GCTTTCTATTCTTTCCAGATTTCTTTGCTTTGTTATTCCTGGGAAACCACTTCACCAAGATACAGACT  
 ATGAAACTGATTATAAATTTTACTGAAAACCCAGCCATGACAAGAGAGCTGGTCAGTTGTAAGTACCTT  
 CGGAATTGATTTCTGTTTAATAAAGAATGGGATAGAGAGATTCTTCTTAACATTCTTACCCTTTGA  
 AAATATAAACGATAACATAAAAAGTGAAGGGCTTGCATCTCCAGGAAGGAATTCAGCAGGAGCTCACTG  
 TTTTCTTATTTAAAGAGTCTGGAGTATGTGTGAAGAAAATCAAAGCATTAGCAAGCCATAAGGATCTGG  
 TGGTCAAAGTGAAGTCTAAAAGTCTTAAACAAAATTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR215987 protein sequence  
 Red=Cloning site Green=Tags(s)

MGRTREAGCVAAGMVGAGACYVYRLTWGKDENEKLWDEEEEEEEEEKSCSDKTEKELKTNVGVGAR  
 GKPDSDSKSKEVNVGPENGPVKKVHPESQSGGLEAKAKALFKLKEQARAKAGRGIRLPNISRNRT  
 LTSSLPCPGRRGGGCHPGRGTSRARNRTSGKVKRKNRSKSNKAPATAWPVRKGF SFPYKIDDILSAPDL  
 QKVLNILERNDPFTQEVALVTLGNAAYSFNQNAIRELGGVPIIAKLIKTRDPIIREKTYNALNLSVN  
 SENQGIKTYISQVDDTMVCRLD SAVQ MAGLRLLTNMTVTNHYQHLLSYSPDFDFALLFLGNHFTKIQT  
 MKLIINF TENPAMTRELVSCKVPSLISL FNKEWDREILLNILTLFENINDNIKSEGLASSRKEFSRSSL  
 FFLFKESGVCVKIKALASHKDLVVKVVKLVTKL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

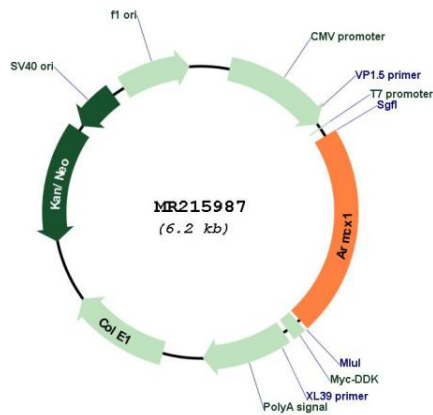


**Cytogenetics:** X E3

**MW:** 50.6 kDa

**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]

**Product images:**



Circular map for MR215987