

## Product datasheet for **RC202666**

### ARMCX3 (NM\_177948) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX3 (NM_177948) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMCX3
Synonyms:	ALEX3; dj545K15.2; GASP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202666 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCTACGCCAGGAAAGTAGGCTGGGTGACCGCAGGCCTGGTATTGGGGCTGGCGCCTGCTATTGCA  
TTTATAGACTGACTAGGGGAAGAAAACAGAACAAGGAAAAATGGCTGAGGGTGGATCTGGGGATGTGGA  
TGATGCTGGGGACTGTTCTGGGGCCAGGTATAATGACTGGTCTGATGATGATGACAGCAATGAGAGC  
AAGAGTATAGTATGGTACCCACCTTGGGCTCGGATTGGGACTGAAGCTGGAACCAGAGCTAGGGCCAGGG  
CAAGGGCCAGGGCTACCCGGGCACGTCGGGCTGTCCAGAAACGGGCTTCCCCAATTCAGATGATACCGT  
TTTGTCCCTCAAGAGCTACAAAAGTTCTTTGCTTGGTTGAGATGTCTGAAAAGCCTTATATTCTTGAA  
GCAGCTTTAATTGCTCTGGGTAACAATGCTGCTTATGCATTTAACAGAGATATTATTCGTGATCTGGGTG  
GTCTCCCAATTGTGCAAAAGATTCTCAATACTCGGGATCCCATAGTTAAGGAAAAGGCTTTAATTGTCT  
GAATAACTTGAGTGTGAATGCTGAAAAATCAGCGCAGGCCTAAAGTATACATGAATCAAGTGTGTGATGAC  
ACAATCACTTCTCGTTGAACTCATCTGTGCAGCTTGTGGACTGAGATTGCTTACAAATATGACTGTTA  
CTAATGAGTATCAGCACATGCTTGCTAATTCCATTTCTGACTTTTTTCGTTTATTTTCAGCGGAAATGA  
AGAAACCAAACTTCAGGTTCTGAACTCCTTTTGAATTTGGCTGAAAATCCAGCCATGACTAGGGAAGTCT  
CTCAGGGCCCAAGTACCATCTTCACTGGGCTCCCTCTTTAATAAGAGGAGAACAAGAAGTTATTCTTA  
AACTTCTGGTCATATTTGAGAACATAAATGATAATTTCAAATGGGAAGAAAATGAACCTACTCAGAAATCA  
ATTCGGTGAAGGTTCACTTTTTTCTTTTTAAAAGAATTTCAAGTGTGTGCTGATAAGGTTCTGGGAATA  
GAAAGTACCATGATTTTTTGGTAAAAGTAAAAGTTGGAAAATTCATGGCCAACTTGTGAACATATGT  
TCCCAAAGAGCCAGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202666 protein sequence  
Red=Cloning site Green=Tags(s)

MGYARKVGVWVTAGLVIGAGACYCIYRL TRGRKQNKKEKMAEGGSGD VDDAGDCSGARYNDWSDDDDDSNES  
 KSIWVYPPWARIGTEAGTRARARARARATRRRAVQKRASPNSDDTVLSPQELQKVLCLVEMSEKPYILE  
 AALIALGNNAAYAFNRDIIRDLGGLPIVAKILNTRDPIVKEKALIVLNNLSVNAENQRRLKVYMNQVCD  
 TITSRNLNSSVQLAGLRLLTNMTVTNEYQHMLANSISDFRFLFSAGNEETKLQVLKLLLNLAENPAMTREL  
 LRAQVPSSLGSLFNKKENKEVILKLLVIFENINDNFKWEENEPTQNQFEGESLFFFLKEFQVCADKVLGI  
 ESHHDFLVKVKVGKFMAKLAEHMFPKSQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6416\\_c04.zip](https://cdn.origene.com/chromatograms/mk6416_c04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_177948

**ORF Size:** 1137 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_177948.2](#), [NP\\_808817.1](#)

**RefSeq Size:** 3318 bp

**RefSeq ORF:** 1140 bp

**Locus ID:** 51566

**UniProt ID:** [Q9UH62](#)

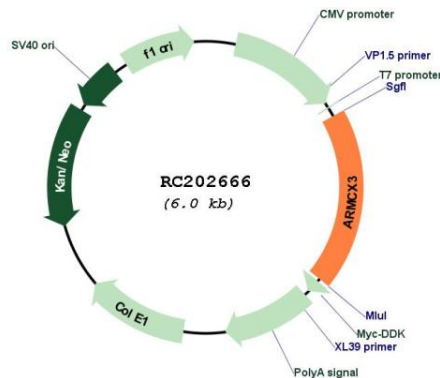
**Cytogenetics:** Xq22.1

**Protein Families:** Transmembrane

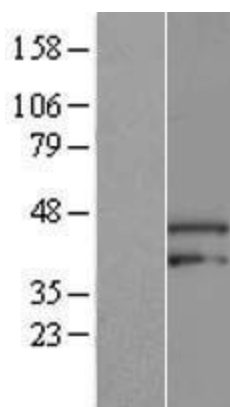
**MW:** 42.5 kDa

**Gene Summary:** This gene encodes a member of the ALEX family of proteins which may play a role in tumor suppression. The encoded protein contains a potential N-terminal transmembrane domain and a single Armadillo (arm) repeat. Other proteins containing the arm repeat are involved in development, maintenance of tissue integrity, and tumorigenesis. This gene is closely localized with other family members on the X chromosome. Three transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RC202666



Western blot validation of overexpression lysate (Cat# [LY413862]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC221471] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).