

Product datasheet for **RC239157**

ARMCX2 (NM_001282231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX2 (NM_001282231) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMCX2
Synonyms:	ALEX2; GASP9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC239157 representing NM_001282231
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCGCGTTCGGGATGCTGGCTGTGTAGCGCGGGGATAGTGATAGGGGCTGGTGCCTGGTACTGTG
TCTACAAATACACCAGGGGAGAGACCAGACCAAGAAGAGAATGGCCAAGCCAAAAACCGGCTGTGGC
TGGGACTGGAGCCAGGGCTAGAGCTGGGCTAAGAGCCGGATTACAATCGACCTTGGGTCAGGATTCAGT
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GAGCTGAGGCAGTGGCCCAGCTGCATCCAGCGCTGAGGCTCAGAGTGGGCGAGGAGTCAAGCCAAAGA
GGCAGATGGAGCCGGGTTGGGCCTAAGGCCGAATCAGTAGTTGGGGCTGCAATGGCTTCTGCAATAGCA
CCACCTCCCGGGTGACAGAGGCCCTTGGGGCTGCAGAAGCCCTGCAATGGCAGGGGCTCCCAAAGTGG
CAGAAGCTCCAGAGAAGCGGAGACTTCCAGGGCAGCGGTGCCTCTGGGACAGTGGTGCCTACCGAAGC
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GTGGCATCGCCTACCGAGGCAGCTGAGGCTCCTGTGCCGCAACGCCCTACTGGGGCTGCAGCACCTACTG
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GAAAGCAACCCCTGGGGCTCACACTGGGGCTATACCGAAAGCCACATCAGCGACTGGAGCGGTACCCAAA
GGTGGAGGCAAGGGTGTAAACAGTCCCGGAATGGGGCAAGGGCAAGGGCAAGAAAAGCAAAGTTGAAG
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CGGACAGGCTTTCCTGGCAGAGGTCCCTGATTCTGAGGAAGGGGAGTCCGGGTGGACTGACACAGAGTCA
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CCTTTCCTTATGAAATTGATGAGATTCTGGGTGTCGCGATCTCAGGAAGGTCTTGCCTTGCTTCAGAA
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AAATCCAGATATGTTGAAGAACTTCTCAGTACCAAGTCCAGCATCATTTAGTTCCTCTATAATTCT
TACGTGGAATCAGAAATCCTTATTAATGCCCTTACTCTATTTGAGATTATCTATGACAATCTCAGAGCAG
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TAAGAAAATTAGAGCCTTAGCAAATCACCATGACCTCTTAGTGAAGTGAAGTTATAAACTAGTGAAC
AAATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC239157 representing NM_001282231
 Red=Cloning site Green=Tags(s)

MSRVRDAGCVAAGIVIGAGAWYCVYKYTRGRDQTKKRMKPKNRAVAGTGARARAGLRAGFTIDLGSFSS
 PPTPVRAEADRAQDEASALDTVGAEAVAPAASSAEAQSGAGSQAQAEADGAGVGPKAESVVGAAAMASIA
 PPPGVTEALGAAEAPAMAGAPKVAEAPREAETSRAAVPPGTVVPTAAAPTTEVTEGPGVAAPTQKVAEAPG
 VASPTAAEAPVPATPTGAAAPTGAESPSTSGSPRTAVVPGTSAKKATPGAHTGAIPKATSATGAVPK
 GGGKGVTRSRNGGKGGKSKVEDELGMGFRPGDGAAAAAASANGGQAFLEVPDSEEGESGWTDTES
 DSDSEPETQRRGRRRPVAMQKRPFPEIDEILGVRDLRKVLALLQKSDDPFIQQVALLTSLNNANYSCN
 QETIRKLGGLPIIANMINKDPHIKEKALMAMNNLSENYENQGRQVYMNKVMDDIMASNLNSAVQVVG
 KFLTNMTITNDYQHLLVNSIANFFRLLSQGGGKIKVEILKILSNFAENPDMLKLLSTQVPASFSLYNS
 YVESEILINALTFEIIYDNLRAEVFNREFNKGSLFYLCCTTSGVCVKKIRALANHHDLVKVKVIKLVN
 KF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

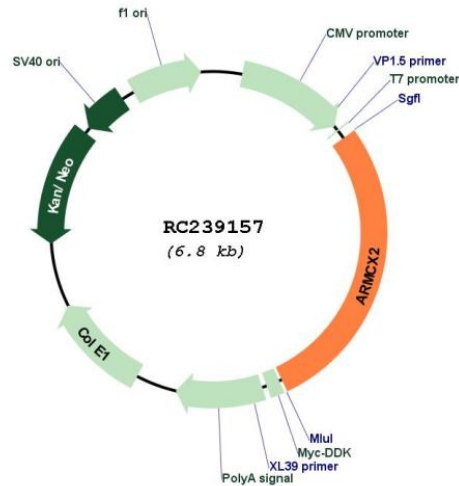
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282231

ORF Size: 1896 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_001282231.2](#)

RefSeq Size:	2892 bp
RefSeq ORF:	1899 bp
Locus ID:	9823
UniProt ID:	Q7L311
Cytogenetics:	Xq22.1
Protein Families:	Transmembrane
MW:	66.1 kDa
Gene Summary:	<p>This gene encodes a protein containing a potential N-terminal transmembrane domain and multiple armadillo (arm) repeats. Proteins containing arm repeats are involved in development, maintenance of tissue integrity, and tumorigenesis. This gene is located in a cluster of related genes on chromosome X. There is a pseudogene for this gene on chromosome 7. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2013]</p>