

Product datasheet for **RG201042**

ARMCX1 (NM_016608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX1 (NM_016608) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARMCX1
Synonyms:	ALEX1; GASP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201042 representing NM_016608
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGCACTCGGAAGCTGGCTGCGTGGCCGCTGGTGTGTTATCGGGCTGGTGCCTGCTACTGTG
 TATACAGACTGGCTTGGGAAGAGACGAGAACGAGAAAATCTGGGACGAAGACGAGGAGTCTACGGACAC
 CTCAGAGATTGGGGTTGAGACTGTGAAAGGAGCTAAAATAACGCTGGGCGAGGGTCTGGGGCCAACTT
 CAGGGTGATTCAGAGGTCAAGCCTGAGGTGAGTTTGGGACTCGAGGATTGTCCGGGTGTAAGAGAGAAGG
 CCCATTACAGGATCCACAGCGGAGGTGGCTAGAGGCCAAGGCCAAGGCCCTTTTCAACACGCTGAAGGA
 ACAGGCAAGTGCAAAGGCAGGCAAAGGGGCTAGGGTGGTACCATCTCTGGGAACAGGACCTTGCACCG
 AGTTTACCCTGCCAGGAGGCAGGGGTGGAGGCTGCCACCCACCAGGAGTGGATCTAGGGCCGGGGGCA
 GGGCAAGTGAAAATCCAAGGAAAGGCCGAAGTAAGAGCACCAGGGCTCCAGCTACAACATGGCCTGT
 CCGGAGAGGCAAGTTCAACTTTCCCTTATAAAATGATGATATTCTGAGTGTCCCGACCTCCAAAAGGTC
 CTAACATCCTGGAGCGAACAAATGATCCTTTTATTCAAGAAAGTGCCTTGGTCACTCTGGGTAACAATG
 CAGCATATTCATTAACCAAGATGCCATACGTGAATTGGTGGTGTCCCAATTATTGCAAAAAGTATAAA
 AACAAAAGACCCATAATTAGGGAAAAGACTTACAATGCCCTTAATAACTTGAGTGTGAACGCAGAAAAT
 CAGGGCAAGATTAAGACGTACATCAGTCAAGTGTGTGATGACACCATGGTCTGTGCTTGGACTCAGCTG
 TGCAGATGGCTGGGCTAAGACTGTTAACCAACATGACTGTGACTAATCATTACCAACATTTGCTTTCCTA
 TTCTTTCCAGACTTTTTGCTTTGTTATTCTGGGAAATCACTTCACCAAGATACAGATTATGAAACTA
 ATTATAAACTTTACTGAAAATCCAGCCATGACAAGAGAGCTGGTCAGTTGTAAGTACCATCAGAATTGA
 TTTCCCTCTTTAATAAAGAATGGGATAGAGAGATTCTTCTTAATATCCTTACCCTATTTGAGAATATAAA
 TGACAACATAAAAAATGAAGGGCTCGCATCATCCAGGAAAGAATTCAGCAGAAAGTCACTTTTTTCTTA
 TTCAAAGAGTCTGGAGTTTGTGTTAAGAAAATCAAAGCACTAGCAAATACAATGATCTGGTGGTGAAGG
 TAAAAGTCCTGAAAGTATAACCAAACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG201042 representing NM_016608
 Red=Cloning site Green=Tags(s)

MGRTREAGCVAAGVVIGAGACYCVYRLAWGRDENEKIWDEDEESTDTSEIGVETVKGAKTNAGAGSGAKL
 QGDSEVKPEVSLGLEDCPGVKEKAHSGSHSGGLEAKAKALFNTLKEQASAKAGKARVGTISGNRTLAP
 SLPCPGRRGGGCHPTRSGSRAGGRASGKSKGKARSKSTRAPATTWPVRRGKFNFPYKIDDILSAPDLQKV
 LNILERTNDPFIQEVALVTLGNNAAYSFNQNAIRELGGVPIIAKLIKTKDPIIREKTYNALNLSVNAEN
 QGKIKTYISQVCDTMCRLDSAVQMAGLRLLTNMTVTNHYQHLLSYSPDFDFALLFLGNHFTKIQIMKL
 IINFTEPAMTRELVSCKVPSSELISLFNKEWDREILLNILTLENINDNIKNEGLASSRKEFSRSSLFFL
 FKESGVCVKIKALANHNDLVVKVVLKVLTKL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016608

ORF Size: 1359 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_016608.2](#)

RefSeq Size: 2141 bp

RefSeq ORF: 1362 bp

Locus ID: 51309

UniProt ID: [Q9P291](#)

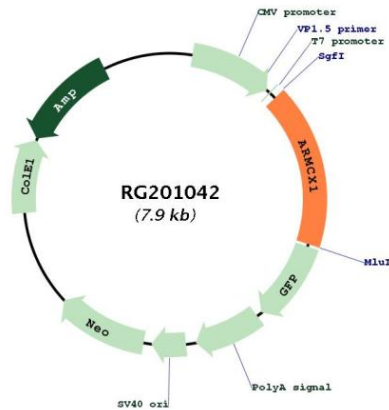
Cytogenetics: Xq22.1

Domains: Armadillo_seg, DUF634

Protein Families: Transmembrane

Gene Summary: This gene encodes a member of the ALEX family of proteins and may play a role in tumor suppression. The encoded protein contains a potential N-terminal transmembrane domain and two Armadillo (arm) repeats. 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, including ALEX2 and ALEX3, on the X chromosome. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201042