**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RG202666

## ARMCX3 (NM_177948) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | ARMCX3 (NM_177948) Human Tagged ORF Clone |
| **Tag:** | TurboGFP |
| **Symbol:** | ARMCX3 |
| **Synonyms:** | ALEX3; dJ545K15.2; GASP6 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

>RG202666 representing NM_177948
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTACGCCAGGAAAGTAGGCTGGGTGACCGCAGGCCTGGTGATTGGGGCTGGCGCCTGCTATTGCA
TTTATAGACTGACTAGGGGAAGAAAACAGAACAAGGAAAAAATGGCTGAGGGTGGATCTGGGGATGTGGA
TGATGCTGGGGACTGTTCTGGGGCCAGGTATAATGACTGGTCTGATGATGATGATGACAGCAATGAGAGC
AAGAGTATAGTATGGTACCCACCTTGGGCTCGGATTGGGACTGAAGCTGGAACCAGAGCTAGGGCCAGGG
CAAGGGCCAGGGCTACCCGGGCACGTCGGGCTGTCCAGAAACGGGCTTCCCCCAATTCAGATGATACCGT
TTTGTCCCCTCAAGAGCTACAAAAGGTTCTTTGCTTGGTTGAGATGTCTGAAAAGCCTTATATTCTTGAA
GCAGCTTTAATTGCTCTGGGTAACAATGCTGCTTATGCATTTAACAGAGATATTATTCGTGATCTGGGTG
GTCTCCCAATTGTCGCAAAGATTCTCAATACTCGGGATCCCATAGTTAAGGAAAAGGCTTTAATTGTCCT
GAATAACTTGAGTGTGAATGCTGAAAATCAGCGCAGGCTTAAAGTATACATGAATCAAGTGTGTGATGAC
ACAATCACTTCTCGCTTGAACTCATCTGTGCAGCTTGCTGGACTGAGATTGCTTACAAATATGACTGTTA
CTAATGAGTATCAGCACATGCTTGCTAATTCCATTTCTGACTTTTTTCGTTTATTTTCAGCGGGAAATGA
AGAAACCAAACTTCAGGTTCTGAAACTCCTTTTGAATTTGGCTGAAAATCCAGCCATGACTAGGGAACTG
CTCAGGGCCCAAGTACCATCTTCACTGGGCTCCCTCTTTAATAAGAAGGAGAACAAAGAAGTTATTCTTA
AACTTCTGGTCATATTTGAGAACATAAATGATAATTTCAAATGGGAAGAAAATGAACCTACTCAGAATCA
ATTCGGTGAAGGTTCACTTTTTTTCTTTTTAAAAGAATTTCAAGTGTGTGCTGATAAGGTTCTGGGAATA
GAAAGTCACCATGATTTTTTGGTGAAAGTAAAAGTTGGAAAATTCATGGCCAAACTTGCTGAACATATGT
TCCCAAAGAGCCAGGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



View online »

**Protein Sequence:**

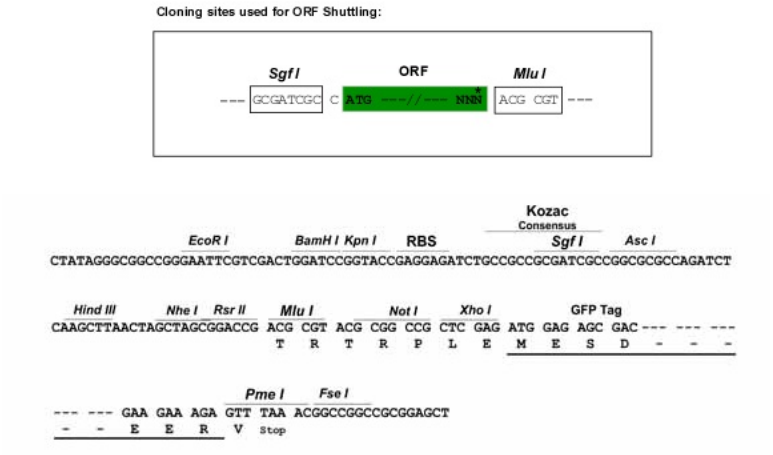
>RG202666 representing NM_177948
Red=Cloning site Green=Tags(s)

MGYARKVGWVTAGLVIGAGACYCIYRLTRGRKQNKEKMAEGGSGDVDDAGDCSGARYNDWSDDDDDSNES
KSIVWYPPWARIGTEAGTRARARARARATRARRAVQKRASPNSDDTVLSPQELQKVLCLVEMSEKPYILE
AALIALGNNAAYAFNRDIIRDLGGLPIVAKILNTRDPIVKEKALIVLNNLSVNAENQRRLKVYMNQVCDD
TITSRLNSSVQLAGLRLLTNMTVTNEYQHMLANSISDFFRLFSAGNEETKLQVLKLLLNLAENPAMTREL
LRAQVPSSLGSLFNKKENKEVILKLLVIFENINDNFKWEENEPTQNQFGEGSLFFFLKEFQVCADKVLGI
ESHHDFLVKVKVGKFMAKLAEHMFPKSQE

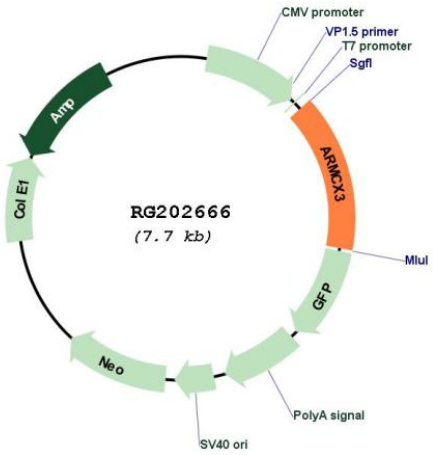
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**Plasmid Map:**




**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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_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 |
| **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] |