

Product datasheet for **RC230274**

ARMCX5 (NM_001168478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX5 (NM_001168478) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMCX5
Synonyms:	GASP5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230274 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTGACTCTGGGACAGAAGCAAGGGCTAGAGGAAAGGCTGAGGCTGGCCTGCAAGATGGAATCAGTG
 GCCTGCCACTGTAGAGTGAATGGTAAAACCCAGGCCGAGGCAGTGGCTGAGGCAGAAGCTGAAAACAGA
 ATCAGTGACCCAGGCCAAAGCTGGTGATGGAGCAATGACCAGGACACATACAGTGACCTACAGGGAGGCT
 ATGGCTGTGACAAGGGAAGTGATCAAGGTGGAAGATACAATAAGACTAGAGTCATGGTTGAGACTAAGA
 CAAAACCCCTGGCAGAACGCAGTATAGTGCCACAAACCAAGTCAAAGGCCATGCCATGTCTAGGGTCAG
 TACTGTAACCAAGTCTGAAGTCAAGGTTGTTGCTGTCATTGAGGCAAATATTAGTCTATGCCAAGTCA
 CATGATAAGGCCAATACTGGGTCCAGACCTGACAGAAGGGAAGAGACCAGCATTGGGATGAAATCCAGTG
 ATGAGGATGAAGAAAATATATGCTCCTGGTTCTGGACTGGAGAAGAGCCTAGTGTAGGGTCTGGTTCTG
 GCCTGAAGAAGAGACCTCTCTTCAAGTTTATAAGCCCCTACCTAAGATCCAGGAAAAGCCCAAGCCACA
 CACAAACCCACACTTACTATAAAAACAAAAGGTAATAGCATGGTCAAGGGCCAGGTATATTGCTCTAGTTC
 CAGTTGAAGGAGGGGAGCAATCCTTGCCTCCAGAAGGAAACTGGACCCTGGTTGAGACCTTGATTGAAAC
 TCCTCTGGGGATTGACCTTTGACCAAGATCCCACCTTATCATGGGCCTTATTACCAGACCTTAGCTGAG
 ATCAAAAAACAGATTAGGCAAAGGGAAAAGTATGGGCCTAATCCGAAGGCCTGCCACTGCAATCACGTG
 GCTTTAGTTTAGAGCCTAAAGAGTTTGATAAACTTGTGGCCCTCCTAAGTTAACTAAGGATCCTTTCAT
 TCATGAAATAGCTACAATGATAATGGGCATCAGTCTGCTTATCCATTTACTCAAGATATAATTCATGAT
 GTAGGTATTACTGTTATGATTGAAAACCTGGTCAATAATCCCAATGTTAAAGAACCCTGGAGCTTTAA
 GTATGGTGGATGACAGCTCTGAGTCTCCGAAGAACCAAACTCAGGGGAGTCATATACATCAAGTTTG
 TAAAGGCATAATCTCTTGGCCCTTGAACCTCCCTGTGCAGCTGGCTGGACTGAAATTAAGGGCACTTG
 AGTATAAAATTTGAAGATCACTATGTGATTACCAGTTATATTCCAGATTTCTCACCTTGTAAACAAGG
 GAAGTGTCAAACCAAGTTTTATGTTTTAAAAGTGTTCGTTTGTCTAAAAATCACGCCAATACAAG
 AGAATTGATCAGTGCCAAAGTACTGTCATCATTGGTTGCACCCTTAAACAAGAATGAGTCAAAGGCCAAT
 ATTCTTAATATTATTGAAATATTTGAGAATATAAATTTTCAGTTCAAACAAAGGCAAAGCTATTTACCA
 AGGAAAAGTTCACTAAATCTGAGCTTATTTCAATATTCCAGGAAGCAAACAGTTTGGTCAGAAACTCCA
 AGACTTAGCAGAGCACAGTGATCCCGAAGTGAGAGATAAAGTCATACGATTAATACTAAAACCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230274 protein sequence
 Red=Cloning site Green=Tags(s)

MVDSGTEARARGKAEAGLQDGISGPATARVNGKTQAEAVAEAEELKTESVTQAKAGDGAMTRTHTVTYREA
 MAVTREVIKVEDTTKTRVMVETKTKPLAERSIVPQTKSKAMPMSRVSTVTKSEVKVVAVIEANIRSYAKS
 HDKANTGSRPDRREETSIGMKSSDEEENICSWFWTGEEPSVGSWFWPEEETSLQVYKPLPKIQEKPKPT
 HKPTLTIKQKVIAWSRARIYIVLVPVEGGEQSLPPEGNWTLVETLIETPLGIRPLTKIPPYHGPYYQLAE
 IKKQIRQREKYGNPKACHCKSRGFSLEPKFDKLVALLKLTKDPFIHEIATMIMGISPAYPFTQDIHD
 VGITVMIENLVNPNVKEHPGALSMVDDSESSEEPKSGESYIHQVCKGIISCLNSPVQLAGLKLLGHL
 SIKFEDHYVITSYIPDFLTLLNKGSVKTKFYVLKVFSLSKNHANTRELI SAKVLSLVAPFNKNESKAN
 ILNIEIFENINFQFKTAKLFTKEKFTKSELISIFQEAKQFGQKLQDLAEHSDPEVRDKVIRLILKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6553_e05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_001168478

ORF Size: 1674 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_001168478.2](#)
RefSeq Size: 2808 bp

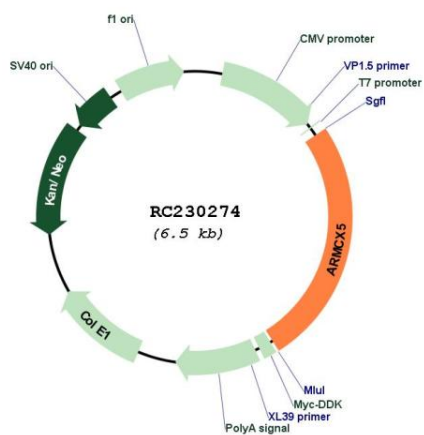
RefSeq ORF: 1677 bp

Locus ID: 64860

UniProt ID: [Q6P1M9](#)

Cytogenetics: Xq22.1
 MW: 62.3 kDa

Product images:



Circular map for RC230274