

Product datasheet for **RC239351**

ARMC2 (NM_001286609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC2 (NM_001286609) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMC2
Synonyms:	bA787I22.1; SPGF38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239351 representing NM_001286609
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGGGGACTCTATGGTGAAAAATAATGGGATTTATTTAACAAAATCAAATGCTATTTGCCACTTAA
 AGAGTCACCCACTTCAGCTAACTGATGATGGAGGCTTCAGTGAAATAAAGGAGCAAGAAATGTTCAAAGG
 AACAAACATCTTTACCATCTCATCTCAAGAATGGAGGGGACCAGGGGAAGAGACATGCGAGGGCCTCATCA
 TGCCCCAGTAGCTCAGACCTGAGCAGGCTGCAAACCAAAGCAGTCCCAAAAGCTGACCTGCAAGAAGAGG
 ACGCAGAAATAGAAGTAGACGAAGTCTTTTGGAAATACAAGGATTGTACCGATTTTGCCTGAATTAGAAAA
 GGAAGAAAACATTGAAACGGTTTGTGCTGCTTGACACAACTTCATCATGCTTTAGAGGAAGGAAACATG
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 ACTCGCTCAGCCTTAACTTGCAAAAAATAATTCTAGCACTTAAAGTGAGTAGAAAGAATCTTCTTAATGT
 CTGCAAACTTATATTTAAATTAGCAGGAATGAGAAGAATGATTCTTTGATTCAAAATGACAGCATTCTG
 GAATCATTATTGGAGGTAATAAGAAGTGAAGACCTGCAAACTAACATGGAAGCTTTTTTATACTGTATGG
 GGTCTATAAAGTTCAATTTCTGGAATCTGGGATTTCTTAATGAAATGATCAGCAAGGTGCTGTGGAAT
 ACTGATAAATTTGATAAAACAAATAAATGAGAACATCAAGAAATGTGGTACATTTTGCCTAATTCGGGC
 CACTTGCTAGTCCAGGTGACTGTACATTGAGAACTTGGTTGATTATCATTAGTAAGAAGTAAGTTCC
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 CAATATTGCCAGAATATTCAGCAAACTTACTTCTTACCGTACTGCTGCACAGCCTTGGCCAGCTATTCC
 AGATGTTATGCCTATTTCTGAATCTAATTAACAAATACCAGAAGAAGCAGGATTTAGTCGTCGGTGTG
 TTTTATTCTTGGCAACCTGACGGCAAAAAATAACCAGGCTCGTGAACAATTTTCCAAGAGAAAGGGAG
 CATCCAACTCTGCTGTATTATTCAGACGTTCCATCAGCTGGATCTGCATTCCAGAGAAGCCGGTGGGC
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 ACAATCAACAATTTATCTTACTACCAAGTGAAGAATCCATAATTCAAGACAAAAGCTATATATTGCTG
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 CTGGATGCTCAGCATCAGGATATCTGCTTTTCTGCCTGTGGTGTCTCCTCAATCTCACTGTGGATAAG
 ACAAGCGTGTATCTTGAAGAAGGAGGTGGCATTAAAAAGTTAGTGGACTGTTTAAGAGATTTGGGTCC
 TACTGATTGGCAGCTGGCCTGCTTGGTTTGTAAACTTTATGGAACCTTCACTGAAAAATCACTAATGCT
 TCGTATGTTTTGGAAATGAAGACCAACACACTCTTACTCTTGCTCTCATATTTTATAGTGAAGAAC
 TAGCACTGGATGGCAGTTTGTATCCAGACCTAAAAACTATCACAACTCCATTGGGAAACAGAATTC
 ACCTGTGGCACAGCAGCTTCTAAACGAATTACAGAGACATCACACCTTCTGGAACCCCTGCCATTCCC
 TCTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239351 representing NM_001286609
 Red=Cloning site Green=Tags(s)

MMGDSMVKINGIYLTKSNAICHLKSHPLQLTDDGGFSEIKEQEMFKGTTSLPSHLKNGGDQGKRHARASS
 CPSSSDL SRLQTKAVPKADLQEEDAEIEVDEVFWNTRIVPILRELEKEENIETVCAACTQLHHALEEGNM
 LGNKFKGRSILLKTLCKLVDVGSDSLKLAKIILALKVSRKNLLNVCKLIFKISRNEKNDSLIQNDSIL
 ESLLLEVRSEDLQTNMEAFLYCMGSIKFISGNLGFLEMISKGAVEILINLIKQINENIKKCGTFLPNSG
 HLLVQVTATLRNLVDSSLVRSKFLNISALPQLCTAMEQYKGDVDCTNIARIFSKLTSYRDCCTALASYS
 RCYALFLNLINKYQKKQDLVVRVVFILGNLTAKNNQAREQFSKEKGSIQTLTLLSFQTFHQLDLHSQKPVG
 QRGEQHRARPPSEAEDVLIKLTRVLANIAIHPGVGPVLAANPGIVGLLLTTLEYKSLDDCEELVINATA
 TINNL SYYQVKNSIIQDKKLYIAELLLKLLVSNMMDGILEAVRVFGNLSQDHDVCD FIVQNNVHRFMMAL
 LDAQHQDICFSACGVLLNLTVDKDKRVILKEGGGIKKLVDCLRDLPDQWQLACL VCKTLWNFSENITNA
 SSCFGNEDTNTLLLLLSSFLDEELALDGSFDPDLKNYKHLHWETEFKPVAQQLLNRIQRHHTFLEPLPIPSF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001286609

ORF Size: 2106 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_001286609.1, NP_001273538.1

RefSeq Size: 3663 bp

RefSeq ORF: 2109 bp

Locus ID: 84071

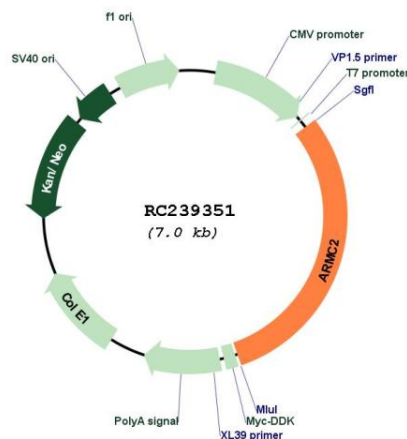
UniProt ID: Q8NEN0

Cytogenetics: 6q21

MW: 79 kDa

Gene Summary: Required for sperm flagellum axoneme organization and function (By similarity). Involved in axonemal central pair complex assembly and/or stability (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239351