

Product datasheet for **RC239073**

ARMC3 (NM_001282747) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC3 (NM_001282747) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMC3
Synonyms:	CT81; KU-CT-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC239073 representing NM_001282747
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATACTATGGTGCAGATTACAGCAGACAGGGGGTCTTAAAAAGCTCCTGTCATTTGCAGAAAACCTCA
 CAATTCCTGATATTCAGAAGAATGCAGCAAAGCCATTACTAAAGCAGCTTATGATCCTGAAAAAGAAA
 ACTTTTTCATGAACAAGAGGTTGAAAAGTGCCCTGTAGCCCTTTTGGTTCTGAAAATGATGGAACATAA
 ATTGCTGCTTCCCAAGCTATTTAGCAATGTGTGAGAATTCAGGCAGCAAAGATTTTTCAATAATCAGG
 GGATTCACAGTTAATTCAGTTGCTAAAAAGTGACAATGAAGAGGTACGGGAAGCAGCAGCTCTAGCCCT
 GGCAAACCTAACCACTTGAACCCTGCTAATGCAAACGCTGCTGCTGAAGCTGATGGTATTGATCCATTA
 AATAACCTCCTGTCTAGTAAACGAGATGGAGCCATTGCCAACGCTGCTACAGTATTAACAAACATGGCCA
 TGCAGGAGCCCTGCGCCTGAACATACAGAATCACGACATCATGCATGCCATCATCAGCCCCTCGCTTC
 TGCAAACACAGTCGTGCAGAGCAAAGCTGCTCTCGCTGTACCGCAACTGCGTGTACGTTGAAGCCCGG
 ACTGAGTTAAGAAATCTGGTGGATTGGAGCCCTGGTAGAGCTGCTACGCTCCAAGAATGATGAAGTGA
 GGAAGCACGCCAGTTGGGCAGTATGGTCTGTGCTGGTACGAGCTGACGGCCAATGAATTATGCAGGCT
 CGGGGCTTTAGATATCCTTGAAGAAGTTAACGTATCAGGAACTCGGAAAAATAAATTCAGTGAGGCAGCT
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 CTGCTTACAAGAACAAGTGACCTACGGGCTGACTCTTAATCAACAGTAAATCTTACGTTTCTCCACCT
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 AATTTCAACTTAAATCCAATGTTATACCGATTGGACATGTCAAAAAGGAATCTTCTACCATCGAGCTTT
 GCTTTTCAAGGCTCTGGCTGATAGAATTGGCATTGGTTGCTCCCTAGTTCCGGGAGAGTACGGTAGAGCG
 TGAATGAAGTCATGCTGCAGAATGACTCTCGGAAGGAGTGATTGGGGGCTCCCGCTCTGAGATGT
 ACGTGATTGACCTCATGTTCCATCCAGGTGGACTGATGAAGTTGAGAAGTCGAGAGGCTGATCTTTACAG
 ATTCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239073 representing NM_001282747
 Red=Cloning site Green=Tags(s)

MDTMVQIQQTGGLKLLSFAENSTIPDIQKNAAKAITKAAYDPENRKLRFHEQEVEKCLVALLGSENDGK
 IAASQAI SAMCENS GSKDFNNGIPQLIQLLKSDNEEVREAAALALANLTT CNPANANAAAADGIDPL
 INLLSSKR DGA IANAATVL TNMAMQEPLRLNIQNHDIMHAIISPLRSANTVVQSKAALAVTATACDVEAR
 TELRNSGLEPL VELLRSKNDEVRKHASWAVMVCAGDEL TANELCRLGALDILEEVNVS GTRKNKFSEAA
 YNKLLNNLSLKYSQTGYLSSSNIINDGFYDYGRINPGTKLLPLKELCLQEPSDLRAVLL INSKSYVSP
 SSMEDKSDVGYGRSISSSSLRRSSKEKNKNSYHFSAGFGSPIEDKSEPASGRNTVL SKSATKEKGWRK
 SKGKKEEKKVKEEEMVVPK FVGE GSSDKEWCPPSDPDF SMYVVEVTKSILPITNIKEQIEDLAKYVAE
 KMGKIPKEKLPDFSWELHISELKFQLKSNVPIGHVKKGIFYHRALLFKALADRIGIGCSLVRGEYGRA
 WNEVMLQNSRKGIVIGGLPAPEMYVIDLMFHPGGLMKLRSREADLYRFI

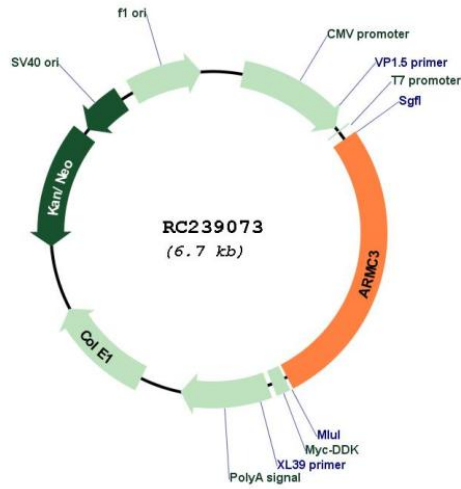
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282747

ORF Size: 1827 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:	<ol style="list-style-type: none">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_001282747.1 , NP_001269676.1
RefSeq Size:	3276 bp
RefSeq ORF:	1830 bp
Locus ID:	219681
UniProt ID:	Q5W041
Cytogenetics:	10p12.2
MW:	67.4 kDa
Gene Summary:	Armadillo/beta-catenin (CTNNB1; MIM 116806)-like (ARM) domains are imperfect 45-amino acid repeats involved in protein-protein interactions. ARM domain-containing proteins, such as ARMC3, function in signal transduction, development, cell adhesion and mobility, and tumor initiation and metastasis (Li et al., 2006 [PubMed 16915934]).[supplied by OMIM, Mar 2008]