

Product datasheet for **RC239312**

ARMC3 (NM_001282746) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC3 (NM_001282746) 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



[View online »](#)

ORF Nucleotide
Sequence:

>RC239312 representing NM_001282746
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGTAAAAAGATAAAGAAGGAAGTAGAGCCTCCTCCTAAGGATGTGTTTGACCCATTAATGATTGAAA
GCAAAAAAGCAGCAACTGTGGTGTAAATGCTTAATTCTCCAGAAGAGGAAATTTGGCTAAAGCATGTGA
AGCCATTTATAAATTTGCTTTAAAAGGTGAGGAAAATAAAAACAACCCCTCCTTGAACCTGGAGCTGTGGAA
CCTTTAACTAAGCTACTCACCCATGAAGACAAAATTGTAAGAAGAAATGCTACTATGATATTTGGAATCC
TGGCTTCTAATAATGATGTTAAAAAATTGTTAAGGGAGTTAGATGTGATGAATTCGTGATTGCCAGCT
CGCTCCAGAAGAAGAAGTAGTTATCCATGAGTTTGCTAGTCTTTGTCTAGCAAACATGTCTGCAGAGTAC
ACCAGTAAAGTGCAAATATTTGAACATGGGGGATTAGAGCCACTCATCAGACTACTGAGTAGCCCTGACC
CGGATGTAAGAAGAAGCTCTATGGAATGCATTTACAACCTGGTGCAGGATTTTCAGTGTGAGCTAAACT
TCAAGAATAAATGCAATACCTCCTATCTTAGATCTCTTGAAGTCAGAATATCCAGTGATTGAGTTGTTG
GCTCTCAAACCTTAGGTGTTATTGCAAATGATAAGGAGTCTCGAACAATGCTAAGAGACAATCAAGGAT
TGGACCATCTTATTAAGATCCTAGAAAATAAGGAATTGAATGACCTTCATATAGAAGCACTTGCAGTGAT
AGCCAATTGCCTTGAAGACATGGATACTATGGTGCAGATTGAGCAGACAGGGGGTCTTAAAAAGCTCCTG
TCATTTGCAGAAAACCTACAATTCCTGATATTCAGAAGAATGCAGCAAAAGCCATTACTAAAGCAGCTT
ATGATCCTGAAAAAGAAAACCTTTTTCATGAACAAGAGGTTGAAAAGTGCCTTGTAGCCCTTTTGGGTTT
TGAAAAATGATGGAACATAAATTTGCTGCTTCCCAAGCTATTTGAGCAATGTGTGAGAATTCAGGCAGCAA
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AAGCAGCAGCTTAGCCCTGGCAAACCTAACCACTTGAACCCGCTAATGCAAACGCTGTGCTGAAGC
TGATGGTATTGATCCATTAATAAACCTCCTGTCTAGTAAACGAGATGGAGCCATTGCCAACGCTGCTACA
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TCATCAGCCCACTGCGTTCTGCAAAACACAGTCGTGCAGAGCAAAGCTGCTCTCGTGTCCAGCAACTGC
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TCCAAGAATGATGAAGTGAGGAAGCAGCCAGTTGGGCAGTGATGGTCTGTGCTGGTGACGAGCTGACGG
CCAATGAATTATGCAGGCTCGGGCTTTAGATATCCTTGAAGAAGTTAACGTATCAGGAACCTCGAAAAA
TAAATTCAGTGAGGCAGCTTATAATAAGTTGCTCAATAACAATCTTCCCTGAAATACAGCCAGACTGGC
TATTTGTCATCAAGTAACATAATTAACGATGGATTCTATGATTATGGTCGGATAAATCCCGGCACCAAA
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TCATCTTCTTAAAGAAGTCAAGTAAAGAAAAGAACAAAAAATAGTTATCATTTTGTGCTGGATTTG
GATCTCCCATAGAAGACAAATCAGAGCCAGCTTCTGGACGAAATACTGTTCTCAGCAAAAGCGCCACCAA
AGAAAAAGGATGGAGCTCACTCCCACTTCAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239312 representing NM_001282746
 Red=Cloning site Green=Tags(s)

MGKKIKKEVEPPPQKDFDPLMIESKKAATVVLMLNSPEEEILAKACEAIYKFKLKEENKTTLLELGAVE
 PLTKLLTHEDKI VRRNATMIFGILASNNDVKLLRELDVMNSVIAQLAPEEEVVIHEFASLCLANMSAEY
 TSKVQIFEHGGLEPLIRLLSSPDPDVKKNSMECIYNLVQDFQCRAKLQELNAIPPILDLLKSEYPVIQLL
 ALKTLGVIANDKESRTMLRDNQGLDHLIKILETKELNDLHIEALAVIANCLEDMDTMVQIQQTGGLKLL
 SFAENSTIPDIQNAAKAITKAAYPDENRKL FHEQEVEKCLVALLGSENDGTIAASQAISAMCENSISK
 DFFNNOGIPQLIQLLKSDNEEVREAAALALANLTTCPANANAAAADGIDPLINLLSSKRDGAIANAAT
 VLTNMAMQEPLRLNIQNHDIMHAIISPLRSANTVVQSKAALAVTATACDVEARTELRSNGGLEPLVELLR
 SKNDEVRKHASWAVMVCAGDEL TANELCRLGALDILEEVNVSGRKNKFSEAAYNKLLNNNL SLKYSQTG
 YLSSSNIINDGFYDYGRINPGTKLLPLKELCLQEPSDLRAVLLINSKSYVSPSSMEDKSDVGYGRSISS
 SSSLRRSSKEKNKNSYHFSAGFGSPIEDKSEPASGRNTVLSKSATKEKGWSSLPTSR

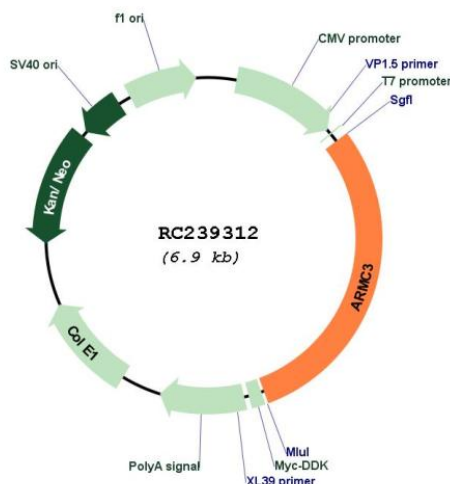
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001282746

ORF Size: 2064 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_001282746.2](#)

RefSeq Size: 2529 bp

RefSeq ORF: 2067 bp

Locus ID: 219681

UniProt ID: [Q5W041](#)

Cytogenetics: 10p12.2

MW: 75.8 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]