

Product datasheet for **RC239707**

ARMC3 (NM_001282745) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC3 (NM_001282745) 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:**

>RC239707 representing NM_001282745
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTAAAAAGATAAAGAAGGAAGTAGAGCCTCCTCCTAAGGATGTGTTTGACCCATTAATGATTGAAA
 GCAAAAAAGCAGCAACTGTGGTGTAAATGCTTAATTCTCCAGAAGAGGAAATTTGGCTAAAGCATGTGA
 AGCCATTTATAAATTTGCTTTAAAAGGTGAGGAAAATAAAAACAACCCCTCCTTGAACCTGGAGCTGTGGAA
 CCTTTAACTAAGCTACTCACCCATGAAGACAAAATTGTAAGAAGAAATGCTACTATGATATTTGGAATCC
 TGGCTTCTAATAATGATGTTAAAAAATTGTTAAGGGAGTTAGATGTGATGAATTCGTCATTGCCAGCT
 CGCTCCAGAAGAAGAAGTAGTTATCCATGAGTTTGCTAGTCTTTGTCTAGCAAACATGTCTGCAGAGTAC
 ACCAGTAAAGTGCAAATATTTGAACATGGGGGATTAGAGCCACTCATCAGACTACTGAGTAGCCCTGACC
 CGGATGTAAGAAGAAGTCTATGGAATGCATTTACAACCTGGTGCAGGATTTTCAGTGTGAGCTAAACT
 TCAAGAATAAATGCAATACCTCTATCTTAGATCTCTTGAAGTCAGAATATCCAGTGATTCAGTTGTTG
 GCTCTCAAAACCTTAGGTGTTATTGCAAATGATAAGGAGTCTCGAACAATGCTAAGAGACAATCAAGGAT
 TGGACCATCTTATTAAGATCCTAGAAAATAAGGAATTGAATGACCTTCATATAGAAGCACTTGCAGTGAT
 AGCCAATTGCCTTGAAGACATGGATACTATGGTGCAAGTTCAGCAGACAGGGGCTTAAAAAGCTCCTG
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 CCAATGAATTATGCAGGCTCGGGGCTTTAGATATCCTTGAAGAAGTTAACGTATCAGGAACCTCGAAAAA
 TAAATTCAGTGAGGCAGCTTATAATAAGTTGCTCAATAACAATCTTTCCCTGAAATACAGCCAGACTGGC
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 GTGATTGACCTCATGTTCCATCCAGGTGGACTGATGAAGTTGAGAAGTCGAGAGGCTGATCTTTACAGAT
 TCATT

ACGCGTACGCGGCCGCTCGAGCAGAAAAC**T**CATCTCAGAAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239707 representing NM_001282745
 Red=Cloning site Green=Tags(s)

MGKKIKKEVEPPPDKVDFDPLMIESKKAATVVLMLNSPEEEILAKACEAIYKFALKGEENKTTLLELGAVE
 PLTKLLTHEDIYRRNATMIFGILASNNDVKLLRELDVMNSVIAQLAPEEEVVIHEFASLCLANMSAEY
 TSKVQIFEHGGLEPLIRLLSSPDPDVKKNMECIYNLVQDFQCRAKLQELNAIPPILDLLKSEYPVIQLL
 ALKTLGVIANDKESRTMLRDNQGLDHLIKILETKELNDLHIEALAVIANCLEDMDTMVQIQQTGGKKLL
 SFAENSTIPDIQKNAAKAITKAAYPDENRKL FHEQEVEKCLVALLGSENDGTIAASQAI SAMCENSGSK
 DFFNNOGIPQLIQLLKSDNEEVREAAALALANLTTCPANANAAAADGIDPLINLLSSKRDGAIANAAT
 VLTNMAMQEPLRLNIQNHDIMHAIISPLRSANTVVQSKAALAVTATACDVEARTEL RNSGGLEPLVELLR
 SKNDEVRKHASWAVMVCAGDEL TANELCRLGALDILEEVNVSGRKNKFSEAAYNKLLNNNL SLKYSQTG
 YLSSSNIINDGFYDYGRINPGTKLLPLKELCLQEPSDLRAVLLINSKSYVSPSSMEDKSDVGYGRSIS
 SSSLRSSKEKNNAGFGSPIEDKSEPASGRNTVLSKSATKEKGWRKSKGKKEEKVKEEEVMVVPK FVG
 EGSSDKEWCPPSDPDFSMYVYEVTKSILPITNIKEQIEDLAKYVAEKMGKIPKEKLPDFSWELHISELK
 FQLKSNVPIGHWKKGIFYHRALLFKALADRIGIGCSLVRGEYGRAWNEVMLQND SRKGVIGGLPAPEMY
 VIDLMFHPGGLMKLRSREADLYRFI

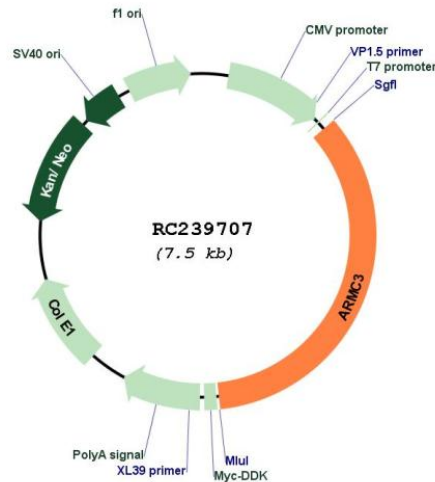
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001282745

ORF Size: 2595 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_001282745.2](#)

RefSeq Size: 3744 bp

RefSeq ORF: 2598 bp

Locus ID: 219681

UniProt ID: [Q5W041](#)

Cytogenetics: 10p12.2

MW: 96 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]