

## Product datasheet for **RG209481**

### ARMC6 (NM\_033415) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC6 (NM_033415) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARMC6
Synonyms:	R30923_1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG209481 representing NM\_033415  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTCTCCAAGCGCATTGCCAGGAGACCTTTGATGCAGCTGTGCGCGAGAACATCGAGGAGTTTGCGA  
 TGGGGCCAGAGGAGGCAGTGAAAGAGGCCGTGGAGCAGTTTGAATCGCAAGGGGTTGATCTGAGCAACAT  
 TGTAAAGACGGCACCTAAAGTCTCTGCAGACGGATCCCAGGAGCCACACATGACATCCTGCAGATGCTC  
 AGTGACCTCCAGGAGTCTGTGGCCAGCTCTCGCCCCAGGAGGTGTAGCATACTCACCCGCTTCTGCG  
 ACCAGTGCAAACAGGACAAGGCCTGCCGCTTCTCGCGGCCAGAAAGGGGCTACCCCATCATCTTAC  
 TGCCTGGAAGCTGGCCACTGCAGGTGACCAGGGCCTTCTGCTCCAGTCCCTCAATGCCCTGTCGGTGCTG  
 ACTGATGGACAGCCAGACCTCCTGGATGCCAGGGCCTGCAGCTCCTAGTGGCCACGCTGACCCAGAATG  
 CTGATGAGGCTGACCTGACCTGCTCTGGGATCCGCTGTGTGCGTCACGCTTGCCTGAAACATGAACAGAA  
 TCGGCAAGACCTGGTAAAGCTGGCGTGTGCCTCTGCTGACTGGTGCCATCACCCATCATGGCCACCAC  
 ACTGACGTGGTACAGGGAAGCCTGCTGGGCCTGCGGTGTCATGACCTTCGATGACGACATCCGTGTGCCCT  
 TTGGCCATGCCCAACCATGCCAAGATGATTGTGCAGGAGAACAAGGCTTGAAGGTGCTCATCGAAGC  
 CACCAAAGCGTTCCTGGATAACCCTGGCATCCTGAGCGAGCTCTGTGGAACCCTGTCCCAGCTGGCCATT  
 CGCAACGAGTTCCTGCCAGGAGGTGTCGACCTCGGGGCTGAGCATTCTGGTGTCCCTGCTAGCCGACT  
 GCAATGACCACAGATGAGGGACAGAGCGGCTTCCAGGAGTCTGTAAGCAAGTGTGAGCACCCTGCG  
 AGCCATCGCAGGCAACGACGACGTGAAAGATGCTATTGTCGCTGGTGGGACGGAGTCCATCGTGGCT  
 GCTATGACCCAGCATCTGACAGCCCCAGGTGTGTGAGCAGAGCTGCGCGGCCCTGTGCTTCTTGCC  
 TCGGTAAGCCCGACAACAGCCGCATCATCGTGGAGGGTGGCGGGGCTGTGGCAGCAGTGCAGCCATGAA  
 GGCACACCCGAGAAAGCCGCGCTGCAGAAACAGGCTTGCATGCTGATCCGAAACCTGGTGGCCACGGC  
 CAGGCCTTCTCGAAGCCATCCTGGACCTGGGGGCTGAGGCACTCATCATGAGGCCGATCTGCCACC  
 GTGACTGTGAGGACGTGGCCAAGGCCGCTGCGGGACCTGGGTGTCATGTCGAGCTCCGAGAGCTGTG  
 GACAGGCCAGAGGGCAACCTGGCGCCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG209481 representing NM\_033415  
 Red=Cloning site Green=Tags(s)

MVSKRIAQETFDAAVRENIIEEFAMGPPEEAVKEAVEQFESQGVLDLSNIVKTAPKVSADGSQEPHTDILQML  
 SDLQESVASSRPQEVSYLTRFCDQCKQDKACRFLAAQKGAYPEIIFTAWKLATAGDQGLLLQSLNALSVL  
 TDGQPDLLDAQGLQLLVATLTQNADEADLTCSGIRCVRHACLKHEQNRQDLVKAGVLPPLTGAITHHGH  
 TDVVREACWALRVMTFDDDIRVPPFGHAHNHAKMIVQENKGLKVLIEATKAFLDNPGLSELGTLRLAI  
 RNEFCQEVVDLGLSILVSLADCNDHQMRDQSGVQELVKQVLSLRAIAGNDDVKDAIVRAGGTESIVA  
 AMTQHLTSPQVCEQSAAALCFLALRKPNSRIIVEGGVAALQAMKAHPQKAGVQKQACMLIRNLVAHG  
 QAFSKPILDLAGAALIMQARSAHRDCEDVAKAALRDLGCHVELRELWTGQRGNLAP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_033415

**ORF Size:** 1428 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\\_033415.4](#)

**RefSeq Size:** 2319 bp

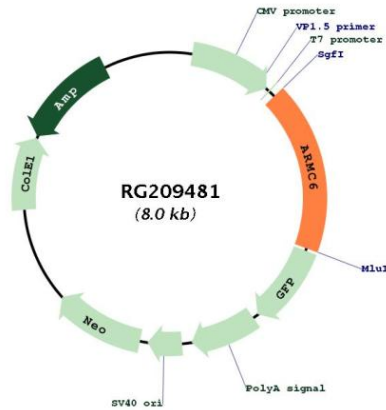
**RefSeq ORF:** 1431 bp

**Locus ID:** 93436

**UniProt ID:** [Q6NXX6](#)

**Cytogenetics:** 19p13.11  
**Domains:** Armadillo\_seg  
**Protein Families:** Stem cell - Pluripotency  
**Gene Summary:** The function of this gene's protein product has not been determined. A related protein in mouse suggests that this protein has a conserved function. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]

**Product images:**



Circular map for RG209481