

Product datasheet for **MG203827**

Armc1 (BC021451) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armc1 (BC021451) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Armc1
Synonyms:	2310016N05Rik; 2900046P06Rik; 3110009G21Rik; AA409258; Arcp; AW048872; C330014L16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203827 representing BC021451 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATTCATCCTCTTCTACTATGAATGAAGAACCTGATGCTCTATCAGTAGTTAACAGCTACGGGATT
TAGCAGCAGATCCACTAAATAGAAGAGCCATCGTCCAGGATCAGGGATGTTTGCCTGGCCTATTTTATT
TATGGACCATCAAACCTCCTGTCGTTCACTCAGCTTTGCTTGCCTACGCTACTTGGCTGAATGCCGT
GCGAATAGAGAAAAGATGAAGGGAGAGCTGGGGATGATGCTGAGCTTGCAGAATGCATCCAGAAGACTA
CAACTCCAGGAGAAAACAAACTTCTGGCCTCAGAAATCTATGACATCCTCAATCCTCAATTTGGCTGA
TGGTGATAGTTTTAATGAAATGAATTCGCGTAGAAGGAAAGCTCAGTTTTTTTTGGGAATACAAACAAA
CGGGCCAAAACAGTAGTTTTGCACATAGATGGTCTCGATGATACGTCTCGACGAAATCTATGTGAAGAGG
CCTTGTTAAAAATTAAGGTGTCATTAGCTTTACTTTTCAAATGGCTGTTCAAAGATGCGTGGTGGCGGAT
CCGTTCACTTGAAGGCAGAGGCTCTGGCGTCAGCAATAGCATCAACCAAGGTCATGAAAGCTCAGCAA
GTTGTGAAGAGCGAGAGTGGAGAAGAGATGCTGGTCCCTTTTCAGGATGCCCTGTGGAAGTGAAGAGA
ACACAGAGCTACCTGACTACCTGCCTGAGGATGAGAGTCCCACAAAGGAGCAGGACAAGGCAGTGTCCCG
GGTTGGATCGCACCTGAAGGTGGAGCCAGCTGGTTGAGCACAGCAGCAAACCTTTTTATCCAGATCATT
TACTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203827 representing BC021451
 Red=Cloning site Green=Tags(s)

MNSSSSTMNEEPDALSVVNQLRDLAADPLNRRRAIVDQDQCLPGLILFMDHPNPPVVHSALLALRYLAECR
 ANREKMKGELGMMLSLQNVIQKTTTPGETKLLASEIYDILQSSNLADGDSFNEMNSRRRKAQFFLGTNNK
 RAKTVVLHIDGLDDTSRRNLCEEALLKIKGVISFTFQMAVQRCVVRIRSDLKAEALASAIASKVMKAQQ
 VVKSESGEEMLVPFQDAPVEVEENTELEPDYLPEDSPTKEQDKAVSRVGSHPPEGASWLSTAAANFLSRSF
 YW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC021451

ORF Size: 848 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: [BC021451](#), [AAH21451](#)

RefSeq Size: 2955 bp

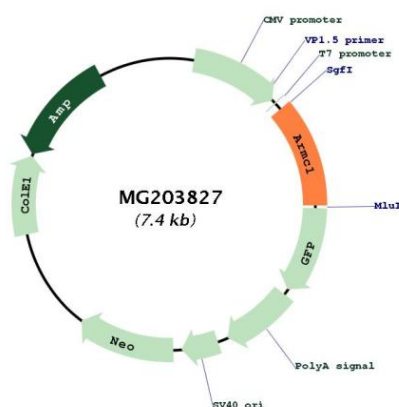
RefSeq ORF: 848 bp

Locus ID: 74252

Cytogenetics: 3 A2

Gene Summary: In association with mitochondrial contact site and cristae organizing system (MICOS) complex components and mitochondrial outer membrane sorting assembly machinery (SAM) complex components may regulate mitochondrial dynamics playing a role in determining mitochondrial length, distribution and motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG203827