

Product datasheet for **MG205101**

Armc12 (NM_026290) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armc12 (NM_026290) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Armc12
Synonyms:	4930511111Rik; AV041658
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205101 representing NM_026290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAGACCATTCCCGGTTCTGGAGCAACTGGACCTCATCAAAGCTTCGTGGGCTGGCTACAG
GCGCCGGGGCCTTATACCTGCTGTACAAGGCCGTGAGGACTGGCTTAAATGTCATCCGCCACTCTGCTC
CAACTCGCGATCTGCATTGCCCGCTGGCCATCGAGAGAGAGCGCCACGGGCGGGACTCCGGTGGATT
CGAAGACTTCTCAACTCTCTAGACTGCAAACAGGATGAGTATACCAGGAGCATGATCCTTCATAACATCA
CCCGCTGCGTGTACTTGTGGAGGCTGAGGCTTCTTGTACTATGGATGACATCGACTGGTGGCTGA
CATGCTAGATGAGAAGGACAACAGTGTAAAAATCCAAGCTCTGAATGCACTTAAAGCTTCTCTGGCATC
AGGAAATTCAGGCTCAAATCCAGGAGCATTGCATCAAGGTAAGTACTGGAAGTATTTCCACCATCTGGGACT
TGGAAATTCAGCTAGCTGGTCTCCGATTGCTCAACAACCTCCCGTACCTGACTATGTGCACCCACAGCT
GCGGCGGGTGTGCTGCCCTGATGGAGATCATACAGTCAGACTGCATCCTGGCACAGGTACAAGCTGTC
CGCCTCTGAGTTACCTGGCACAGAAGAACGACCTTCTTATGACATTCTCAACTGTCAGGTGCGTCCCA
ACTTCTGAACCTCTCCAGTCTTCACAGCCGGGAGTCTGCTGTTTCGAGGTGCTGGTGTTCGGGAACA
CTTGAGTGAAGGTCGGAACGCCACCCACTACCGAGCGGTCAAATGGCATTACAACGAGCAATCCCTGCAC
GAAGCCCTCTTTGGGGATGAGTCCAGACTGGCAGACCCACTGCTCTCCCTGGTCAATCCACCTGAGGAGG
AAGTTTCAGATCCAGGCCTGCAAAGTCAATGAGCTTGCAGTGTCCCGAGGACCTGGGATCCCGACCCCTC
TTCTGCCGACCTAGCCATTCTGCTTTAAAACCGGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205101 representing NM_026290
 Red=Cloning site Green=Tags(s)

MGKTIPRFLEQLDLIKSFVGLATGAGALYLLYKAVRTGLKCHPPLCSNSPICIARLAIERERHGRDSGEI
 RRLNLSLDCKQDEYTRSMILHNI TRCVYLLEAEASSCTMDDIDL VADMLDEKDNSVKIQALNALKAFSGI
 RKFR LKIQEHCIKVL ELI STIWDLELHVAGLRLLNPLPDYVHPQLRRVMPALMEIIQSDCILAQVQAV
 RLLSYLAQKNDLLYDILNCQVRPNFLNLFQSSQPGSLLFEVLVFAEHLSEGRNATHYRAVKWHYNEQSLH
 EALFGDESRLADRLLSLVIHPPEEVQIQACKVIVSLQCPQDLGSRPSSCRPSHSCFKTGK

TRTRPLE - GFP Tag - V

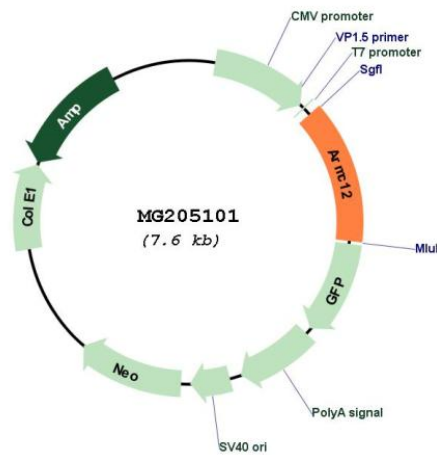
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_026290

ORF Size: 1020 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_026290.3 , NP_080566.2
RefSeq Size:	1103 bp
RefSeq ORF:	1023 bp
Locus ID:	67645
UniProt ID:	Q80X86
Cytogenetics:	17 A3.3