

Product datasheet for **MG207974**

Armxc5 (BC027106) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armxc5 (BC027106) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Armxc5
Synonyms:	MGC38735
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207974 representing BC027106
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTCTAGCATTAGTGGTCATTACTGTAACCAAGTCTGAAGTCAAGATTGACTGGAATTGAGGCAT
 CTCTCAAGGGCGCTGCCAAGGCTACTGATAAGCGCAGTATTAAGCAGAAGCCTGAGATAAAGAAAGAGGT
 CTGTGTCAAATCCAGGGCTGGGGACAAAGCTAAAGAGGTCTGTGTCAAATCCAGTCTGGAGACAAAGCT
 AAAGAGGTCTGTGTCAAATCCAGGGCTGGGGACAAAGCTAAAGAGGTCTGTGTCAAATCCAGGGCTGGGG
 ACAAGCTAGTATTGTCATCAACACCACTGATGAGGATGAAGATTATGTGTGTTCTGGTTTTGGACTGG
 AGAAGAGCCTAGTGTAGGGTCTGGTCTGGCCTAAAGAAGAAAACTCTTCAAGTTTATCAGCCCCCA
 CCAAAGGTTGAAGAAGAACCTGAACCCCGATACATTCGACTATGCTTTAAAAAAGAGTGCAGCAT
 GGTTAAGGGCAGGTTTATTGTCCTGGTCCCATTTGAGGAACCGCAGCCATCTTTACCTCCAGATGGGAA
 CTGGACTCTGGTGAACCTTAATTGAACTCCCTGGGTATTGACCTTTGACCAAGATCCACCTTAT
 GGGGACCTTACTTCCAGACTTTAGCCGATTTAAAAACCAAATCCGGGAAAAAGAGAAGTATGGACCCA
 ATCCAAATACCTGCCGCTGTAATCCCGCACCTTTAGTTTAGAGCCTGTTGACTTTGATAAGCTCGTTGC
 CCTACTTAAGTTAACGAGGGATCCGTTTATTATGAGATAGCTACAATGATAATGGGGATCAGTCTGCT
 TACCCATTTACTCAAGATATTGTTACAGATGTTGGTATTACTGTTATGATTGAAAATTTTGTCAATAATC
 CAAATGCTAAGAAATACCTAGAAGTTTAAATATAAATGCCAACCTGATGCCCCGAAGAAGTGAAGA
 GACCGAAGCACATGTAATAAAGTTTGTAGGGACATACTCTGTTGTCCTTGAAGTCTCTGTGCAAGTG
 GAGGAGCTAAAGCTGTTAGTGAGCTTGAGTGTGAAATTTGATTATCACCACGTGGTTATCTATTATGTT
 GTTATTTTCTCACTGTTAAACAAAGGAAGTCAAAAATCAAGTTTCAAGTTTAAAGTCTCTTTTGTG
 CTTGTCAAAAAATCAAGCGAATACAAGGAAGTCAAGTCAAGTGAAGTAATGTCCTCACTGGTCTGCTCTC
 TTTCAAGAATGAGTCAAAAGCTAATATTCTCATATCATTGAAATATTTGAGAATATAAATTTCCAAT
 TCAAAAAAGGGCAAACTGTTTACTAAGGAAATGTTCACTAAATCTGAAGTATTTCCATATCCGGGA
 GGCAAAAGAGTTTGACCAGAACTCCAAGACTTAACAGACCACAGTGACCCTGATGTGAGAGATAAAGTT
 ATCCGATTAATACTCAAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207974 representing BC027106
 Red=Cloning site Green=Tags(s)

MTLALVVITVTKSEVKIDTGIEASLKGAAKATDKRSIKQKPEIKKEVCVKSRAAGDCAKEVCVKSSAGDKA
 KEVCVKSRAAGDCAKEVCVKSRAAGDKASIVINTTDEDEDYVCSWFWTGEEPSVGSWFWPKEENPLQVYQPP
 PKVEEEPEPPDTFDYALKKKAAWLRGRFIVLVP IEEPQPSLPPDGNWTLVATLIETPLGIRPLTKIPPY
 GGPYFQTLADLKNQIREKEKYGNPNTRCRKSRFTSLEPVDFDKLVALLKLRDPFIHEIATMIMGISPA
 YPFTQDIVHDVGIIVMIENFVNNPNAKKYPRTLNINANPDAPPEVKETEAVHNKVCRDILCCPLNCSVQV
 EELKLLVSLSVKFDYHHVVIYYVRYFISLLNKGSVKIKFQILRVLLCLSKNQANTRELISAEVMSSLVAL
 FHKNESKANILHIIIEIFENINFQFKKRAKLFTEKEMFTKSELISIFREAKEFDQKLQDLTDHSDPDVDRKV
 IRLILKL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

CTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

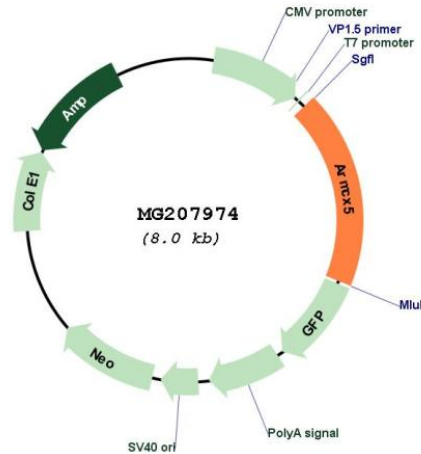
CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- ---

T R T R P L E
M E S D
- - -

PmeI
FseI

--- --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT

- - - E E R V Stop

Plasmid Map:


ACCN: BC027106

ORF Size: 1493 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: [BC027106](#), [AAH27106](#)

RefSeq Size: 1874 bp

RefSeq ORF: 1493 bp

Locus ID: 494468

Cytogenetics: X F1