

## Product datasheet for **MG220593**

### **Armcx5 (NM\_001009575) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Armcx5 (NM_001009575) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Armcx5
Synonyms:	AW556585
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG220593 representing NM\_001009575  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGATTGGCTCTAAAACAAAAGGAAAGCTAGAGAAGAGTCTGGGGCTTCTCAAACCTGGAACCAATA  
 GCCCTGCCAATGCTAAAGGAAAAGCCAAGAATCAGACCACTAAAGCCGTTAAGGCAGAACCAAAAAGAAGA  
 ATGGGGAAACCAGGCTGAGGCTAGGGATGAAGCAGTGGCCAGGACACAGCCAGCCATTTCCACTGAGCCC  
 AAGACTGTGACCTGAAAAGTAAAAAAGAAAGATAAGACTAATGCTAGAGTCATGGCTCAGGCTAAGA  
 CAGAACTCCCGCAGGGCCTGCTTGTAGTGCCTCACACCAAGTCAGATGCTCTGCCTACATCTGTGGTCAT  
 TACTGTAACCAAGTCTGAAGTCAAGATTGACACTGGAATTGAGGCATCTCTCAAGGGCGCTGCCAAGGCT  
 ACTGATAAGCGCAGTATTAAGCAGAAGCCTGAGATAAAGAAAGAGGTCTGTGTCAAATCCAGGGCTGGGG  
 ACAAGCTAAAGAGGTCTGTGTCAAATCCAGTCTGGAGACAAAGCTAAAGAGGTCTGTGTCAAATCCAG  
 GGCTGGGGACAAAGCTAAAGAGGTCTGTGTCAAATCCAGGGCTGGGGACAAAGCTAGTATTGTCATCAAC  
 ACCACTGATGAGGATGAAGATTATGTGTGTTCTGGTTTTGGACTGGAGAAGAGCCTAGTGTAGGGTCTCT  
 GTTTCTGGCCTAAAGAAGAAAATCCTCTCAAGTTTATCAGCCCCACCAAGGTTGAAGAAGAACCTGA  
 ACCCCCAGATACATTCGACTATGCTTTAAAAAAGAGCTGCAGCATGGTTAAGGGCAGGTTTATTGTCT  
 CTGGTCCCATGAGGAACCGCAGCCATCTTTACCTCCAGATGGAACTGGACTCTGTTGCAACCTTAA  
 TTGAAACTCCCCTGGGTATTCGACCTTTGACCAAGATCCCACCTTATGGGGACCTTACTCCAGACTTT  
 AGCCGATTTAAAAACCAATCCGGGAAAAGAGAAGTATGGACCAATCCAAATACCTGCCGCTGTAAA  
 TCCCGCACCTTTAGTTTAGAGCCTGTTGACTTTGATAAGCTCGTTGCCCTACTTAAGTTAACGAGGGATC  
 CGTTTATTCATGAGATAGCTACAATGATAATGGGGATCAGTCTGCTTACCCATTTACTCAAGATTGTT  
 TCACGATGTTGGTATTACTGTTATGATTGAAAATTTTGCAATAATCCAATGCTAAGAAAATACCCTAGA  
 ACTTTAAATATAAATGCCAACCTGATGCCCCGAAGAAGTGAAGAGACCGAAGCACATGTAAATAAAG  
 TTTGTAGGGACATACTCTGTTGCTTTGAACTGCTCTGTGCAAGTGGAGGAGCTAAAGCTGTTAGTGAG  
 CTTGAGTGTGAAATTTGATTATCACCACGTGGTTATCTATTATGTTGTTATTTTCATCTCACTGTTAAAC  
 AAAGGAAGTGTCAAAATCAAGTTTCAGATTTTAAAGAGTCTTTTGTGCTTGTCAAAAAATCAAGCGAATA  
 CAAGAGAAGTATCAGTGTGAAGTAAATGTCCTCACTGGTCGCTCTTTTACAAGAATGAGTCAAAAGC  
 TAATATTTCTCATATCATTGAAATATTTGAGAATAATAATTTCCAATCAAAAAAGGGCAAACTGTTT  
 ACTAAGGAAATGTTCACTAAATCTGAACTATTTCCATATTCGGGAGGCAAAAGAGTTTGACCAGAAAC  
 TCCAAGACTTAACAGACCACAGTGACCCTGATGTGAGAGATAAAGTTATCCGATTAATACTCAAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG220593 representing NM\_001009575  
 Red=Cloning site Green=Tags(s)

MIGSKTKRKAREESGASSKPGTNSPANAKGKAKNQTTKAVKAEPKEEWGNQAEARDEAVARTQPAISTEP  
 KTVTWKVKKKKDKTNARVMAQAKTELPAGPALVPHTKSDALPTSVVITVTKSEVKIDTGEASLKGAAKA  
 TDKRSIKQKPEIKKEVCVKSRAGDKAKEVCVKSSAGDKAKEVCVKSRAGDKAKEVCVKSRAGDKASIVIN  
 TTDEDEDYVCSWFWTGEEPSVGSWFWPKEENPLQVYQPPPKVEEPEPPDFTDYALKKKAALRGRFIV  
 LVPIEEPQPSLPPDGNWTLVATLIETPLGIRPLTKIPPYGGPYFQTLADLKNQIREKEYGPNPNTCRCK  
 SRTFSLEPVDFDKLVALLKLRDPFIHEIATMIMGISPAYPFTQDIVHDVGITVMIENFVNNPNAKKYPR  
 TLNINANPDAPPEVKETAHVNKVCRDILCCPLNCSVQVEELKLLVLSVKFDYHHVVIYVRYFISLLN  
 KGSVKIKFQILRVLLCLSKNQANTRELISAEMVSSLVALFHKNESKANILHIIIEIFENINFQFKKRAKLF  
 TKEMFTKSELISIFREAKEFDQKLQDLTDHSDPDVRDKVIRLILKL

TRTRPLE - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001009575

**ORF Size:** 1818 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\\_001009575.5](#), [NP\\_001009575.2](#)

**RefSeq Size:** 2826 bp

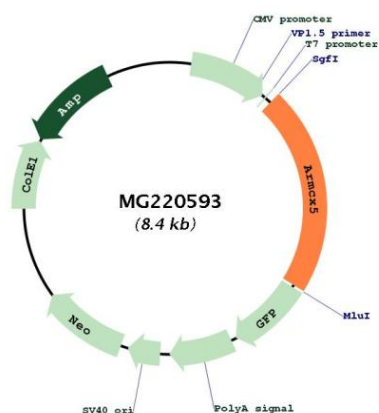
**RefSeq ORF:** 1821 bp

**Locus ID:** 494468

**UniProt ID:** [Q3UZF0](#)

**Cytogenetics:** X F1

Product images:



Circular map for MG220593