

Product datasheet for **MG204213**

Armxc6 (BC027264) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armxc6 (BC027264) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Armxc6
Synonyms:	MGC27863
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204213 representing BC027264 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCGGGCCCGGAAATGGGTTGGATGGCAGCCGGACTCATGATTGGAGCTGGTGCCTGTTACTGCA
TGTACAACTGACCATGGGAAGAAGTGAGGGGAACGAGCTGGAGGACGAGGAGGAAGATGAATGGGAAGA
TGGACAGGATCTGGATGAAGAGGAAGCAGACAATTGGTTGATTTACAGCAATGGCTCGACCCTGGAGT
GAGGATGGGACTGGGATGAACCTGGGGCCCCAGGTGGGACTGAGGACAGACGGTCAGGTGGTGAAGG
CAAACAGAGCACACCCAATCAAGCAGCGGCCATTCCTTATGAACATAAAAACATATGGGGTGAACAGAG
CTTTAAATCCTTCACTTGTATTCTTGACCTGAACAAGTGTGTTTCCACTCAAAGAAAGAAAAGGTTACAG
AAGAACATAAATGCTGGCTTTTCCCTTAGCCCCAATATCAGTAAACATCTGGCCAGCCTATCAGTGGTTG
GAAACAGGAGTCCCACCCCATCCCACTGTGAGGGAGAAGGCTCTGTTTGTCCCTGAAAACCCAAACAG
CAGCCTTGAAAATCAGGGCCAGATTAAGATGTCCATTGATGAAGTGTGTCGAGAGACTGTTGTGTTGC
TGCAAGTCTTTTCTGCAGCAGGCAGGATTAAGTCTGCTAATAAGCATGACAGTCATTAATAACATGCTTG
CCAAGTCTGTTTCTGACCTGAAGTTTCTTTGCTATCCAAGGGGAGTGGATGTGCAGAGGTGCGGGGCTT
GGAAGAGCTGATGAGTTTGTCTGAAAAGCCAGTGTGGTGGGGGAAGCACTGGCTGCCAAATGCTCTCC
TCCTTCATGTGCCTCTTTACCAGAAGTGGGAGCAGAGAGATGCTTGTGGAAGCCATCTCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204213 representing BC027264
Red=Cloning site Green=Tags(s)

MGRAREMGWMAAGLMIGAGACYCMYKLTMRSEGNELEDEEEDEWEDGQDLDEEEADNWFDFDTAMARPWS
 EDGDWDEPGAPGGTEDRRSGGGKANRAHPKQRPFPYEHKNIWGEQSFKSFCTILDNLKCVSTQRKKRFT
 KNINAGFSLSPNISKHLASLSVGNRSPTPHPTVREKALFVPENPNSSLENQGGQIKMSIDEVCRETLCC
 CKSFLQQAAGLSLLISMTVINMLAKSVSDLKFPPLL SKGSGCAEVRGLEELMSLSEKPVLVGEALAAQMLS
 SFMCLFTRSGSREMLVEAISP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC027264

ORF Size: 905 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: [BC027264](#), [AAH27264](#)

RefSeq Size: 2051 bp

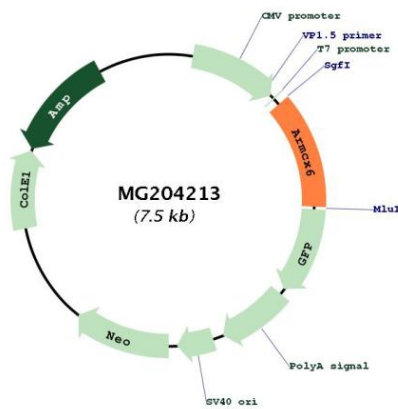
RefSeq ORF: 905 bp

Locus ID: 278097

Cytogenetics: X E3

Gene Summary: May regulate the dynamics and distribution of mitochondria in neural cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204213