

Product datasheet for **RG214350**

ARMCX6 (NM_019007) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX6 (NM_019007) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARMCX6
Synonyms:	GASP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214350 representing NM_019007 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCGGGCTCGGGAAGTGGGTTGGATGGCGGCAGGACTGATGATTGGGGCTGGTGCCTGCTACTGCG
TTTACAACTGACCATAGGAAGAGATGACAGTGAGAAGCTGGAGGAGGAGGGGAAGAGGAGTGGGACGA
TGACCAGGAGCTGGATGAGGAGGAGCCTGATATTTGGTTGATTTGAACTATGGCTCGGCCCTGGACT
GAGGATGGGATTGGACTGAACCTGGGGCCCCAGGTGGCACTGAGGACAGGCCCTCAGGGGAGGCAAGG
CCAACCGAGCACCCAATAAAACAGCGGCCATCCCCTATGAACATAAAAATACTTGGAGTGCTCAAAA
TTGTA AAAATGGCAGTTGTGTTCTGGACCTCTCCAAGTGTCTTTTCATTACAGGAAAAGTGTGTTGGCC
GAGCCCAAGGATGCGGGCTTTCCATTTAGCCAGGATATCAATAGCCATTTGGCCAGCCTCTCAATGGCTA
GAAACACGAGCCCCACTCCAGACCCCCTGTTAGAGAGGCTTTGTGTGCCCCGGATAACTTAAATGCGAG
TATTGAAAGTCAGGGCCAGATTAAGATGTACATCAATGAAGTGTGTGGGAGACTGTGTCACGTTGCTGC
AACTCATTTCTGCAGCAGGCCGATTAATTTGTTAATAAGCATGACAGTTATTAATAACATGCTTGCCA
AGTCCGCTTCAGACTTGAAGTTTCCTTTGATATCAGAGGGAAGTGGATGTGCTAAGGTTCCAGTTTTGAA
ACCGCTGATGGGTTTGTCTGAAAAGCCAGTCTTGGCGGGGAGTTAGTCGGTGCCAGATGCTCTTCTCA
TTCATGTCCTCTTTATCAGAAAATGGAACAGAGAGATTCTCTGGAAACCCCTGCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214350 representing NM_019007
Red=Cloning site Green=Tags(s)

MGRAREVGMWAAGLMIGAGACYCVYKLTIGRDDSEKLEEEEGEEWDDQELDEEEDPIWDFETMARPWT
 EDGDWTEPGAPGGTEDRPSGGGKANRAHPKQRPFPYEHKNTWSAQNCKNGSCVLDLSKCLFIQGKLLFA
 EPKDAGFPFSQDINSHLASLSMARNTSPTPDPTVREALCAPDNLNASIESQGQIKMYINEVCRETVSRCC
 NSFLQQAGLNLLISMTVINMLAKSASDLKFPLISEGSGCAKVQVLKPLMGLSEKPVLAGELVGAQMLFS
 FMSLFIRNGNREILLETPAP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_019007

ORF Size: 900 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_019007.4](#)

RefSeq Size: 1865 bp

RefSeq ORF: 903 bp

Locus ID: 54470

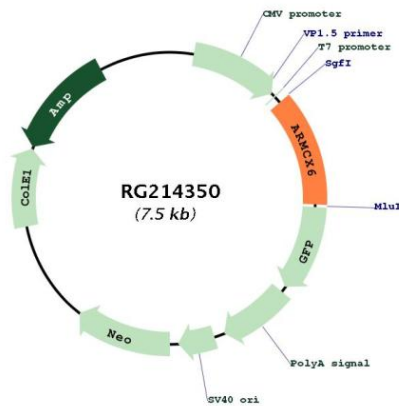
UniProt ID: [Q7L4S7](#)

Cytogenetics: Xq22.1

Protein Families: Transmembrane

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

Product images:



Circular map for RG214350