

## Product datasheet for RC214350

### ARMCX6 (NM\_019007) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX6 (NM_019007) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMCX6
Synonyms:	GASP10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC214350 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCCGGGCTCGGGAAGTGGGTTGGATGGCGGCAGGACTGATGATTGGGGCTGGTGCCTGCTACTGCG  
TTTACAACTGACCATAGGAAGAGATGACAGTGAGAAGCTGGAGGAGGAGGGGAAGAGGAGTGGGACGA  
TGACCAGGAGCTGGATGAGGAGGAGCCTGATATTTGGTTGATTTGAACTATGGCTCGGCCCTGGACT  
GAGGATGGGATTGGACTGAACCTGGGGCCCCAGGTGGCACTGAGGACAGGCCCTCAGGGGAGGCAAGG  
CCAACCGAGCACACCAATAAAACAGCGGCCATCCCCATGAACATAAAAATACTTGGAGTGCTCAAAA  
TTGTAAAAATGGCAGTTGTGTTCTGGACCTCTCCAAGTGTCTTTTCATTACAGGAAAAGTGTGTTGGCC  
GAGCCCAAGGATGCGGGCTTTCCATTTAGCCAGGATATCAATAGCCATTTGGCCAGCCTCTCAATGGCTA  
GAAACACGAGCCCCACTCCAGACCCCACTGTTAGAGAGGCTTTGTGTGCCCCGGATAACTTAAATGCGAG  
TATTGAAAGTCAGGGCCAGATTAAGATGTACATCAATGAAGTGTGTGGGAGACTGTGTCACGTTGCTGC  
AACTCATTCTGCAGCAGGCCGGATTAATTTGTTAATAAGCATGACAGTTATTAATAACATGCTTGCCA  
AGTCCGCTTCAGACTTGAAGTTTCCTTTGATATCAGAGGGAAGTGGATGTGCTAAGGTTCCAGGTTTTGAA  
ACCGCTGATGGGTTTGTCTGAAAAGCCAGTCTTGGCGGGGAGTTAGTCGGTGCCAGATGCTCTTCTCA  
TTCATGTCCCTCTTATCAGAAATGGAACAGAGAGATTCTCTGGAAACCCCTGCCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC214350 protein sequence  
Red=Cloning site Green=Tags(s)

MGRAREVGMMAAGLMIGAGACYCVYKLTIGRDDSEKLEEEEGEEWDDQELDEEEDIWDFETMARPWT  
 EDGDWTEPGAPGGTEDRPSGGGKANRAHPKQRPFYPYEHKNTWSAQNCCKNGSCVLDL SKCLFIQGLLFA  
 EPKDAGFPFSQDINSHLASL SMARNTSPTDPTVREALCAPDNLNASIESQGQIKMYINEVCRETVSRCC  
 NSFLLQQAGLNLLISMTVINMLAKSASDLKFLISEGSGCAKVQVLKPLMGLSEKPVLAGELVGAQMLFS  
 FMSLFIIRNGNREILLETPAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6409\\_h10.zip](https://cdn.origene.com/chromatograms/mk6409_h10.zip)

**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](#)

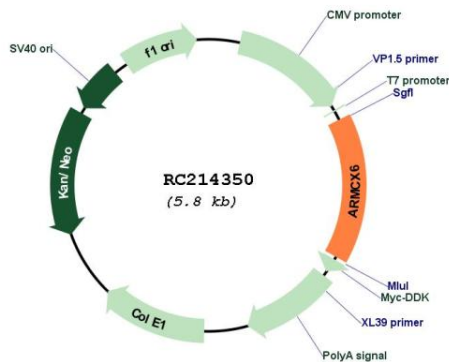
**Cytogenetics:** Xq22.1

**Protein Families:** Transmembrane

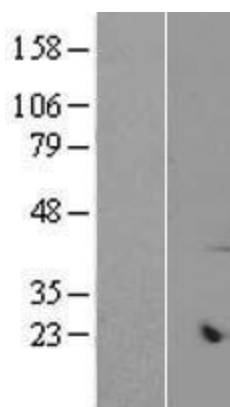
**MW:** 33 kDa

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

**Product images:**



Circular map for RC214350



Western blot validation of overexpression lysate (Cat# [LY412845]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214350 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).