

Product datasheet for MR204213

Armcx6 (NM_001007578) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armcx6 (NM_001007578) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Armcx6
Synonyms:	AW060994
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204213 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTCGGGCCCGGAAATGGGTTGGATGGCAGCCGGACTCATGATTGGAGCTGGTGCCTGTTACTGCA
TGTACAACTGACCATGGGAAGAAGTGAGGGGAACGAGCTGGAGGACGAGGAGGAAGATGAATGGGAAGA
TGGACAGGATCTGGATGAAGAGGAAGCAGACAATTGGTTGATTTACAGCAATGGCTCGACCCTGGAGT
GAGGATGGGACTGGGATGAACCTGGGGCCCCAGGTGGGACTGAGGACAGACGGTCAGGTGGTGGAAAGG
CAAACAGAGCACACCCAATCAAGCAGCGGCCATTCCTTATGAACATAAAAACATATGGGGTGAACAGAG
CTTTAAATCCTTCACTTGTATTCTTGACCTGAACAAGTGTGTTTCCACTCAAAGAAAGAAAAGGTTACAG
AAGAACATAAATGCTGGCTTTTCCCTTAGCCCCAATATCAGTAAACATCTGGCCAGCCTATCAGTGGTTG
GAAACAGGAGTCCCACCCCATCCCACTGTGAGGGAGAAGGCTCTGTTTGTCCCTGAAAACCCAAACAG
CAGCCTTGAAATCAGGGCCAGATTAAGATGTCCATTGATGAAGTGTGTCGAGAGACTGTTGTGTTGC
TGCAAGTCTTTCTGCAGCAGGCAGGATTAAGTCTGCTAATAAGCATGACAGTCATTAATAACATGCTTG
CCAAGTCTGTTTCTGACCTGAAGTTTCTTTGCTATCCAAGGGGAGTGGATGTGCAGAGGTGCGGGGCTT
GGAAGAGCTGATGAGTTTGTCTGAAAAGCCAGTGTGGTGGGGGAAGCACTGGCTGCCAAATGCTCTCC
TCCTTCATGTGCCTCTTACCAGAAGTGGGAGCAGAGAGATGCTTGTGGAAGCCATCTCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204213 protein sequence
Red=Cloning site Green=Tags(s)

MGRAREMGWMAAGLMIGAGACYCMYKLTMRSEGNELEDEEEDWEDGQDLDEEADNWFDFDTAMARPWS
 EDGDWDEPGAPGGTDRRSGGGKANRAHPKQRPFPYEHKNIWGEQSFKSFCTCILDLNKCIVSTQRKKRFT
 KNINAGFSLSPNISKHLASLSVGNRSPTPHPTVREKALFVPEPNSSLENQOQIKMSIDEVCRETLCC
 CKSFLQAGLSLLISMTVINMLAKSVSDLKFPPLL SKGSGCAEVRGLEELMSLSEKPVLVGEALAAQMLS
 SFMCLFTRSGSREMLVEAISP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001007578

ORF Size: 906 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_001007578.2](#), [NP_001007579.1](#)

RefSeq Size: 2034 bp

RefSeq ORF: 906 bp

Locus ID: 278097

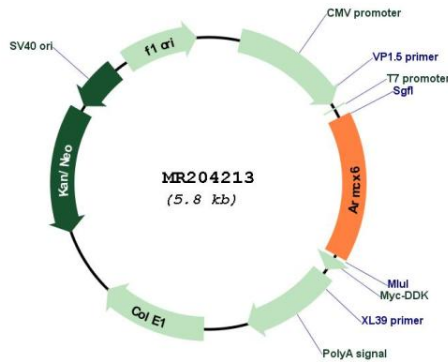
UniProt ID: [Q8K3A6](#)

Cytogenetics: X E3

MW: 33.3 kDa

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

Product images:



Circular map for MR204213