

Product datasheet for **SC124485**

ARMCX2 (NM_177949) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX2 (NM_177949) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMCX2
Synonyms:	ALEX2; GASP9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124485 sequence for NM_177949 edited (data generated by NextGen Sequencing)

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ATGAGCCGCGTTCGGGATGCTGGCTGTGTAGCGGCGGGGATAGTGATAGGGGCTGGTGCC
TGGTACTGTGTCTACAAATACACCAGGGGGAGAGACCAGACCAAGAAGAGAATGGCCAAG
CCCCAAAACCGGGCTGTGGCTGGGACTGGAGCCAGGGCTAGAGCTGGGCTAAGAGCCGGA
TTCACAATCGACCTTGGGTCAGGATTCAGTCCCCAACCCAGTCCGTGCTGAAGCAGAG
GACAGGGCCCAGGATGAAGCCTCTGCTCTGGACACAGTTGGAGCTGAGGCAGTGGCCCCA
GCTGCATCCAGCGCTGAGGCTCAGAGTGGGGCAGGCAGTCAGGCCAAGAGGCAGATGGA
GCCGGGTTGGGCTAAGGCCGAATCAGTAGTTGGGGCTGCAATGGCTTCTGCAATAGCA
CCACCTCCCGGGGTGACAGAGGCCCTTGGGGCTGCAGAAGCCCCTGCAATGGCAGGGGCT
CCCCAAGTGGCAGAAGCTCCAGAGAAGCGGAGACTTCCAGGGCAGCGGTGCCTCCTGGG
ACAGTGGTGCCTACCGAAGCGGCAGCACCCACTGAGGTGACCGAGGGTCTGGGGTAGCA
GCACCTACCAAGTAGCTGAAGCTCCCGGGGTGGCATCGCCTACCGAGGCAGCTGAGGCT
CCTGTGCCCGCAACGCCTACTGGGGCTGCAGCACCTACTGGGGCTGCAGAGTCTCCTGGA
ACTTCTGGTTCCTTAGAACAGCGGTGGTTCCTGGAACATCAGCTGCCAAGAAAGCAACC
CCTGGGGCTCACACTGGGGCTATACCGAAAGCCACATCAGCGACTGGAGCGGTACCCAAA
GGTGGAGGCAAGGGTGTAAACAGGTCCCAGGATGGGGGCAAGGGCAAGGGCAAGAAAAGC
AAAGTTGAAGTAGACGAACTGGGGATGGGCTTCCGTCCTGGAGATGGGGCTGCAGCAGCT
GCTGCAGCCTCTGCTAATGGCGGACAGGCTTTCCTGGCAGAGGTCCCTGATTCTGAGGAA
GGGGAGTCCGGGTGGACTGACACAGAGTCAGATTCAGACTCTGAGCCCGAGACCCAGCGC
AGAGGGAGGGGAAGAAGACCCGTTGCCATGCAGAAGCGCCCTTTCCTTATGAAATTGAT
GAGATTCGGGTGTCCGCGATCTCAGGAAGTCTTGCCTTGCTTCAGAAATCTGATGAT
CCTTTCATCCAACAGGTAGCTTTGCTCACTCTGAGCAACAATGCCAATTATTCATGCAAT
CAAGAGACAATCCGCAAATTGGGAGGCCTCCCAATTATTGCAAACATGATCAACAAAAC
GATCCACACATTAAGGAAAAAGCCTTAATGGCCATGAATAACCTGAGTGAGAATTATGAA
AATCAGGGCCGGCTTCAGGTGTACATGAATAAAGTGATGGATGATATCATGGCCTCTAAC
CTGAACTCAGCAGTTCAAGTAGTTGGACTAAAATTTCTAACAAACATGACTATTACTAAT
GACTACCAACACCTGCTTGTCAATTCCATTGCAAACCTTTTCCGTTTGTATCTCAGGGA
GGTGGAAAAATCAAGTTGAGATTTTAAAAATCCTTTGCAATTTTGTGAAAAATCCAGAT
ATGTTGAAGAACTTCTCAGTACCCAAGTGCCAGCATCATTTAGTCCCTCTATAATTCT
TACGTGGAATCAGAAATCCTTATTAATGCCCTTACTCTATTTGAGATTATCTATGACAAT
CTCAGAGCAGAAGTGTTTAACTATAGAGAATCAATAAAGGTTCCCTTTTTTACTTATGC
ACTACATCTGGAGTGTGTGTTAAGAAAATTAGAGCCTTAGCAAATCACCATGACCTCTTA
GTGAAAGTGAAAGTTATAAAAAGTGAACAAATTCTGA

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Clone variation with respect to NM_177949.2
 1509 g=>a

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_177949 unedited NTCATTTCCCGCCCTTGCCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA AGCAGAGCTCATTTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCC GCGAATTCGGCACGAGGGCGCAGCTCGCTGCCGTGCGTTAAACCCAGGCGAGGAGGAGGA GGAGAAAATTCGCCAGATTCGGGCAGGCCCGCACCCACATTCGGTCTGTTTTGAGAG GAGGAGGGAAGAGAAAATAACGTGGCAGCGCATAGAAGGCCAGCAGGGAGACTGCTTTCC AGACACCTCCGGCCACACAGCCGTTACCCCCGTCTTTTCAGTCCTGGAAAAGGAATT CGGTCTGCTTAGGATGAAGCTCTAACTGAACTGAAGTAAGGAGAAACAGCCTTGAATC TTTGGAGGTCTGTCTTCTTTGGGCTCTGTGCAACTGCAGCTACAGTGAAAAAGCA AACTGCTCTTGATCCCAGGCCCTGCCTAAGCCTCAGCAGAACTTGAAGCCTAACTGAA GAGCCTCACCCGACGAGCAGGCATCCCTTAACCTTAAGCAATCCAGTTCACGCGCTGG ATCAGTGAATAACCCAGCTGCACCATGAGCCGCGTTCGGGATGCTGGCTGTGTAGCGGC GGNATAGTGATAGGGGCTGGTGCCTGGTACTGTGTCTACAAATACACCANGGGGAGAG ACCAGACCAAGAAGAGAATGGCCAAGCCAAAACCCGGCTGTGGCTGGGACTGGAGCCCA GGCTAGAGCTGGGCTAAGAGCCGNNATCACATCGACCTGGGTGANGATCAGTCCCCCACC CCATTCGTGCTGAGCANAGACAGGCCAGATGAGCCTCTGCNTGGACCAGNTGAGCTGAG CAGTGGCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_177949
Insert Size:	2600 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_177949.1 , NP_808818.1
RefSeq Size:	2863 bp
RefSeq ORF:	1899 bp
Locus ID:	9823
UniProt ID:	Q7L311
Cytogenetics:	Xq22.1
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a protein containing a potential N-terminal transmembrane domain and multiple armadillo (arm) repeats. Proteins containing arm repeats are involved in development, maintenance of tissue integrity, and tumorigenesis. This gene is located in a cluster of related genes on chromosome X. There is a pseudogene for this gene on chromosome 7. Alternative splicing in the 5' UTR results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.