

Product datasheet for **SC114885**

ARMCX2 (NM_014782) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMCX2 (NM_014782) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMCX2
Synonyms:	ALEX2; GASP9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014782, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCGCGTTCGGGATGCTGGCTGTGTAGCGGCGGGGATAGTGATAGGGGCTGGTGCCTGGTACTGTG
TCTACAAATACACCAGGGGGAGAGACCAGACCAAGAAGAGAATGGCCAAGCCAAAAACCGGGCTGTGGC
TGGGACTGGAGCCAGGGCTAGAGCTGGGCTAAGAGCCGGATTACAATCGACCTTGGGTGAGGATTCAGT
CCCCAACCCAGTCCGTGCTGAAGCAGAGGACAGGGCCAGGATGAAGCCTCTGCTCTGGACACAGTTG
GAGCTGAGGCAGTGGCCCCAGCTGCATCCAGCGTGAAGGCTCAGAGTGGGGCAGGCAGTCAAGCCCAAGA
GGCAGATGGAGCCGGGGTGGGCCTAAGGCCGAATCAGTAGTTGGGGCTGCAATGGCTTCTGCAATAGCA
CCACCTCCCGGGTGACAGAGGCCCTTGGGGCTGCAGAAGCCCCTGCAATGGCAGGGGCTCCCAAAGTGG
CAGAAGCTCCAGAGAAGCGGAGACTTCCAGGGCAGCGGTGCCTCCTGGGACAGTGGTGCCTACCGAAGC
GGCAGCACCCACTGAGGTGACCGAGGGTCTGGGGTAGCAGCACCTACCAAGGTAGCTGAAGCTCCCGGG
GTGGCATCGCTACCGAGGCAGTGAAGGCTCCTGTGCCGGCAACGCCTACTGGGGCTGCAGCACCTACTG
GGGCTGCAGAGTCTCCTGGAATCTGGTTCCTAGAACAGCGGTGGTTCCTGGAACATCAGCTGCCAA
GAAAGCAACCCCTGGGGCTCACACTGGGGCTATACCGAAAAGCCACATCAGCGACTGGAGCCGTACCCAAA
GGTGGAGGCAAGGGTGTAAACAGGTCCCGGAATGGGGGCAAGGGCAAGGGCAAGAAAAGCAAAGTTGAAG
TAGACGAACTGGGGATGGGCTTCCGTCTGGAGATGGGGCTGCAGCAGCTGCTGCAGCCTCTGCTAATGG
CGGACAGGCTTTCCTGGCAGAGGTCCCTGATTCTGAGGAAGGGGAGTCCGGGTGGACTGACACAGAGTCA
GATTCAGACTCTGAGCCCAGACCCAGCGCAGAGGGAGGGGAAGAAGACCCGTTGCCATGCAGAAGCGCC
CCTTTCCTTATGAAATGATGAGATTCTGGGTGTCCGCGATCTCAGGAAGTCTTGCCTTGCTTCAGAA
ATCTGATGATCCTTTCATCCAACAGGTAGCTTTGCTCACTCTGAGCAACAATGCCAATTATTCATGCAAT
CAAGAGCAATCCGCAAATGGGAGGCCCTCCCAATTTGCAAACATGATCAACAAAAATGATCCACACA
TTAAGGAAAAAGCCTTAATGGCCATGAATAACCTGAGTGAGAATTATGAAAATCAGGGCCGGCTTACAGT
GTACATGAATAAAGTGATGGATGATATCATGGCCTCTAACCTGAACTCAGCAGTTCAAGTAGTTGGACTA
AAATTTCTAACAAACATGACTATTAATAAGTACTACCAACACCTGCTTGTCAATTCATTGCAAATTTT
TCCGTTTGCTATCTCAGGGAGGTGGAAAAATCAAGGTTGAGATTTTAAAAATCCTTTCGAATTTTGTGTA
AAATCCAGATATGTTGAAGAACTTCTCAGTACCCAAGTCCAGCATCATTTAGTTCCCTCTATAATTCT
TACGTGGAATCAGAAATCCTTATTAATGCCCTTACTCTATTTGAGATTATCTATGACAATCTCAGAGCAG
AAGTGTTAACTATAGAGAATTCATAAAGGTTCCCTTTTTACTTATGCACTACATCTGGAGTGTGTGT
TAAGAAAATTAGACCTTAGCAAATCACCATGACCTCTTGTAGTAAAGTGAAGTTATAAACTAGTGAAC
AAATTCTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014782 unedited

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NAAGGTGCATATATAGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGGCAAC
TGCAGCTACAGTGGAAAAACAACTGCTTTGATCCCAGGCCCTGCCTAAGCCTCAGCA
GAACTTGTAAAGCCTAAACTGAAGAGCCTCACCCGACGAGCAGGCATCCCTTAACCTGAA
GCAATCCAGTTCCACGCCCTGGATCAGTGAATAACCCAGCTGCACCATGAGCCGCGTTC
GGGATGCTGGCTGTGTAGCGGGGGATAGTGATAGGGGCTGGTGCCTGGTACTGTGTCT
ACAAATACACCAGGGGGAGAGACCAGACCAAGAAGAGAATGGCCAAGCCAAAAACCGGG
CTGTGGCTGGGACTGGAGCCAGGGCTAGAGCTGGGCTAAGAGCCGGATTACAATCGACC
TTGGGTGAGGATTCAGTCCCCAACCCAGTCCGTGCTGAAGCAGAGGACAGGGCCAGG
ATGAAGCCTCTGCTCTGGACACAGTTGGAGCTGAGGCAGTGGCCCCAGCTGCATCCAGCG
CTGAGGCTCAGAGTGGGGCAGGCAGTCAAGCCCAAGAAGCAGATGGAGCCGGGGTTGGGC
CTAAGGCCGAATCAGTAGTTGGGGCTGCAATGGCTTCTGCAATAGCACCCCTCCCGGGG
TGACAGAGGCCCTTGGGGCTGCAGAAGCCCCTGCAATGGCAGGGGCTCCCAAAGTGGCAG
AAGCTCCAGAGAAGCGGAGACTTCCAGGGCAGCGGTGCCTCCTGGGACAGTGGTGCCTA
CCGAAGCGGCAGCACCCACTGAGGTGCGNACAGGGTCTGGGAGGGGAGCAGCCTACCAAGT
AGCTNGAGCTCCGGNGGTGCATCGNCTACGAGGATCTGAGGCTCTGTGCCGACGCATGTG
ACACGGAGCGATGTCACCGGCCGAAAAGTTNNNNNNA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014782 unedited NNNNNGGGTTCATCTATGNNACCGCGCCGAATCTAGNGATCGGTTTTTTTTTTTTTTTT TTTTCAGTTGAAACATACAACCTTTATTGATGATACACAAATGAAGTCTTTGGTGGATAAAT TCAAGTCAAAAACAAATAATAGAACAGTAGGCCATTATAATGGACAGGTTTACTGTCAAT TCAGAAGAACCAGTAAAAATATTTCTATCCAAGCAGCAGGATTAAGTCACAAATATGTT TTCAGTACAAGAGGTCTATTTATTTGGTATTCATAAAAATGGTTCAGCTTAAAGCTGGTGA CTGTCACAGATAACATCACTCTGGATGATACATTATTCAACACTGGCAGCTGAAAGGATC CCTTTACTATATGAGCAAGTGGAAAAGCAGTAACTTTCAATTTTCAACGCTTCCACACTG CAAAATCATGAAATTTCTCAAGTCTTTTGACGGTACATAACCAATCAGAATTTGTTTAC TAGTTTTATAACTTTCACTTTCACTAAGAGGTCATGGTATTTGCTAAGGCTCTAATTTT CTTAACACACACTCCAGATGTAGTGCATAAGTAAAAAGGGAACCTTTATTGAATTCTCT ATAGTTAAACACTTCTGCTCTGAGATTGTCATAGATAATCTCAAATAGAGTAAGGGCATT AATAAGGATTTCTGATTCCACGTAAGAATTATAGAGGGAACAAATGATGCTGGCACTTG GGTAAGGATTTCTTCAACATATCTGGATTTTTCAGCAAAATTCGAAAGGATTTTCAA AATCTCAACCTTNGATTTTCCACCTCCCCTGAGATAGCAAACGGGAAAAAGTTTGAAT GGAATTGACAANGCAGTGTGGTAGTCATTAGTAATAGTCATGT
Restriction Sites:	NotI-NotI
ACCN:	NM_014782
Insert Size:	2650 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:	<u>NM_014782.4</u> , <u>NP_055597.1</u>
RefSeq Size:	2790 bp
RefSeq ORF:	1899 bp
Locus ID:	9823
UniProt ID:	<u>Q7L311</u>
Cytogenetics:	Xq22.1
Domains:	DUF634
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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.