

Product datasheet for **SC337245**

ARMC2 (NM_001286609) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC2 (NM_001286609) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMC2
Synonyms:	bA787I22.1; SPGF38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286609, the custom clone sequence may differ by one or more nucleotides

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ATGATGGGGGACTCTATGGTAAAAATAATGGGATTTATTTAACAAAATCAAATGCTATTTGCCACTTAA
AGAGTCACCCACTTCAGCTAACTGATGATGGAGGCTTCAGTGAATAAAGGAGCAAGAAATGTTCAAAGG
AACAAACATCTTTACCATCTCATCTCAAGAATGGAGGGGACCAGGGGAAGAGACATGCGAGGGCCTCATCA
TGCCCCAGTAGCTCAGACCTGAGCAGGCTGCAAACCAAAGCAGTCCCAAAGCTGACCTGCAAGAAGAGG
ACGCAGAAATAGAAGTAGACGAAGTCTTTTGAATACAAGGATTGTACCGATTTTGCCTGAATTAGAAAA
GGAAGAAAACATTGAAACGGTTTGTGCTGCTTGCACACAACCTTCATGCTTTAGAGGAAGGAAACATG
CTTGAAATAAATTTAAGGGAAGAAGTATTCTCTGAAGACCCTGTGAACTAGTTGATGTTGGTTCAG
ACTCGCTCAGCCTTAACTTGCAAAAATAATTCTAGCACTTAAAGTGAGTAGAAAGAATCTTCTTAATGT
CTGCAAACTTATATTTAAAATTAGCAGGAATGAGAAGAATGATTCTTTGATTCAAATGACAGCATTCTG
GAATCATTATTGGAGGTACTAAGAAGTGAAGACCTGCAAACTAACATGGAAGCTTTTTTATACTGTATGG
GGTCTATAAAGTTCATTTCTGGAATCTGGGATTTCTTAATGAAATGATCAGCAAAGGTGCTGTGGAAT
ACTGATAAATTTGATAAAACAAATAAATGAGAACATCAAGAAATGTGGTACATTTTGCCTAATTCGGGC
CACTTGCTAGTCCAGGTGACTGTACATTGAGAACTTGGTTGATTATCATTAGTAAGAAGTAAGTCC
TAAACATCAGTGCCCTTCCCCAGCTCTGCACGGCAATGGAACAGTACAAGGGTGACAAGGACGTCTGTAC
CAATATTGCCAGAATATTCAGCAAACTTACTTCTTACCGTGACTGCTGCACAGCCTTGCCAGCTATTCC
AGATGTTATGCCTTATTTCTGAATCTAATTAACAAATACCAGAAGAAGCAGGATTTAGTCGTCGGTGTG
TTTTTATTTCTTGCAACCTGACGGCAAAAAATAACCAGGCTCGTGAACAATTTTCCAAAGAGAAAGGGAG
CATCCAACTCTGCTGTCAATTATCCAGACGTTCCATCAGCTGGATCTGCATTCCCAGAAGCCGGTGGGC
CAACGAGGCGAGCAGCACAGGGCGCAGAGGCCGCCGTGAGAGGACAGGACGTGCTCATCAAGTGACTC
GTGTGCTGGCCAACATTGCCATCCACCCGGCGTGGGCCCGGTGCTGGCCGCCAACCCGGGGATAGTGGG
CCTGCTCTGACCACGCTGGAATACAAGTCACTTGATGATTGTGAGGAGCTGGTATCAATGCTACAGCG
ACAATCAACAATTTATCTTACTACCAAGTGAAGAATTCATAATTCAAGACAAAAAGCTATATATTGCTG
AATTGCTCTTAAAGCTTCTTGTGAGTAACAACATGGATGGAATCTGGAGGCTGTGCGTGTTCGGA
TCTCTCCAGGACCATGATGTCTGCGATTTTATTGTGAGAACATGTCCACAGGTTTATGATGGCGCTG
CTGGATGCTCAGCATCAGGATATCTGCTTTTCTGCCTGTGGTGTCTCTCAATCTCACTGTGGATAAG
ACAAGCGTGTATCTTGAAGAAGGAGGTGGCATTAAAAAGTTAGTGGACTGTTTAAAGATTTGGGTCC
TACTGATTGGCAGCTGGCCTGCTTGGTTTGTAAACTTTATGGAACCTTCACTGAAACATCACTAATGCT
TCGTCATGTTTTGGAATGAAGACCAACACACTCTTACTCTTGCTCTCATTTTTAGATGAAGAAC
TAGCACTGGATGGCAGTTTTGATCCAGACCTAAAAAACTATCACAACTCCATTGGGAAACAGAATTC
ACCTGTGGCAGCAGCTTCTAAACGAATTGAGAGACATCACACCTTCTGGAACCCCTGCCATTCCC
TCTTTCTAA
    
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Restriction Sites: Sgfl-MluI

ACCN: NM_001286609

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:	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_001286609.1, NP_001273538.1</u>
RefSeq Size:	3663 bp
RefSeq ORF:	2109 bp
Locus ID:	84071
UniProt ID:	<u>Q8NEN0</u>
Cytogenetics:	6q21
Gene Summary:	Required for sperm flagellum axoneme organization and function (By similarity). Involved in axonemal central pair complex assembly and/or stability (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region, which results in translation initiation from a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.