

## Product datasheet for **SC337727**

### ARMC5 (NM\_001301820) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC5 (NM_001301820) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARMC5
Synonyms:	AIMAH2
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\_001301820, the custom clone sequence may differ by one or more nucleotides

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ATGACC GCCCGCACGTCC CAGGATGCGCTGCGATTAAGTTCCGCTCCCTGGGATCAGCGGGGAGAAGCG
GGGCGGAGTCTGAGGCCGAGCCAAGATGGCGGCTGCGAAGCCAACCCTCACGGACTCGCTCTCGTTCTG
CCTCGCGCAGCTCGCGGGCGCGCCGGGAGGCTCTGGGTGGGAAAAGGACCCAGCGACCAACGAGACA
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CGCTCAGCATCTAGCCGATTGCTGTACGGAAGGGGCTGCCGGACCAAGTGCAGCAGCTCGGAGGCAT
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CGGGGATGCTGGTGGCTTGGATCTACTGATGGCCTGCTGCGGGACCCTCGTGAAGCGCATGGCACCT
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GCTGCTCTCTGGGAGCCCTGAGGACCGAGTGGCCTGCGCGCTGACCCTGCCCTTCACTGCGGGAAGCCC
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CCGAGGAGGCACTGGAGGCTGCTGGCCGTTTCTACTGCCTGGGCTGGAGGAGGAGCTGGAAGAGGCCGT
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CGGCTGGCTGCCACTGTGCCGCTGGACTGGGGTCAAGCAGTGCCTGAGGAAGCGGGGTCTGGCC
TGGTGGGGCTTGTGGAGGCAGGTTGAAGAGGCAGGGCCCTGACGGAGGCTTGTGCTGTGGTGTGAT
GGGGATTGAGTTGGGGCAAGGGTCCCTGCC TAG
    
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001301820

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001301820.1</a> , <a href="#">NP_001288749.1</a>
<b>RefSeq Size:</b>	3664 bp
<b>RefSeq ORF:</b>	2904 bp
<b>Locus ID:</b>	79798
<b>UniProt ID:</b>	<a href="#">Q96C12</a>
<b>Cytogenetics:</b>	16p11.2
<b>Gene Summary:</b>	<p>This gene encodes a member of the ARM (armadillo/beta-catenin-like repeat) superfamily. The ARM repeat is a tandemly repeated sequence motif with approximately 40 amino acid long. This repeat is implicated in mediating protein-protein interactions. The encoded protein contains seven ARM repeats. Mutations in this gene are associated with primary bilateral macronodular adrenal hyperplasia, which is also known as ACTH-independent macronodular adrenal hyperplasia 2. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and 5' coding region, compared to variant 3. The resulting isoform (d) has a shorter and distinct N-terminus, compared to isoform c.</p>