

Product datasheet for **SC309244**

ARMC5 (NM_024742) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC5 (NM_024742) 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: >SC309244 representing NM_024742.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGGCTGCGAAGCCAACCCTACGGACTCGCTCTCGTTCTCGCTCGCGCAGCTCGCGCGCGCGCC
GGGGAGGCTCTGGGTGGGAAAAGGACCAGCCAGCACCAACGAGACACCCCTGAGCCGCGCGCTCCTAGCC
CTCCGCACGCGCCACATCAAGGCAGCGGGGGAATCGAGCGCTTCCGGGCACGCGCGGGCTCCGCCCC
CTACTCGCGCTGTACGGCGAGCGGCTGCAGCGGGTTCGCCCCCTCCAGGCAGCCCCGGCTCCGCC
CCCTCGTCGGCCGCTCGGGAGCTTCTAGCCCCGCCCGCGTCGGGCCCGCCCCCTCCGCTGTGTG
TCGTCTAGTCTACGCCGCCAGTGCCTGCGCAAGACGCTGGACTTGGCGCTCAGCATCTAGCCGAT
TGCTGTACGGAAGGGCGTGCCGACCGAAGTGCAGACTCGGAGGCATACTCCCTTGGTGACCATT
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CAGGACTCGCAGTGCCTACAGAGCGTGGTGCCTCCGTAACCTGGCAGACTCACCCAGCACCGC
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TTCTTCTGGCTCTGCCATTGGTTCAGCACTGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_024742

Insert Size: 2178 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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_024742.2
RefSeq Size:	4707 bp
RefSeq ORF:	2178 bp
Locus ID:	79798
UniProt ID:	Q96C12
Cytogenetics:	16p11.2
MW:	75.6 kDa
Gene Summary:	<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 (2) differs in the 5' and 3' UTRs and has multiple coding region differences, compared to variant 3. These differences cause translation initiation at a downstream AUG and a different 3' coding sequence. The resulting isoform (b) has a shorter N-terminus and a distinct C-terminus, compared to isoform c.</p>