

Product datasheet for **SC317150**

ARMC5 (NM_001105247) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ARMC5 (NM_001105247) 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: >SC317150 representing NM_001105247.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGCTGCGAAGCCAACCCTACGGACTCGCTCTCGTTCTGCCTCGCGCAGCTCGCGCGCGCGGCC
GGGGAGGCTCTGGGTGGGGAAAAGGACCAGCGACCAACGAGACACCCCTGAGCCGCGCGCTCCTAGCC
CTCCGCACGCGCCACATCAAGGCAGCGGGGGAATCGAGCGCTTCCGGGCACGCGCGGGCTCCGCCCC
CTACTCGCGCTGTACGGCGAGCGGCTGCAGCGGTTCCGCCCGTCCCAGGCAGCCCCGGCTCCGCC
CCCTCGTCGCGCCGCTCGGGAGCTTCTAGCCCCGCCCGCGTCGGGCCCGCCCCCTCCGCTGTGTG
TCGTCTAGTCTACGCCGCCAGTGCCTGCGCAAGACGCTGGACTTGGCGCTCAGCATCTAGCCGAT
TGCTGTACGGAAGGGCGTGCCGACCGAAGTGCAGACTCGGAGGCATACTCCCTTGGTGACCATT
CTTCAGTGCATGAAGACAGACAGCATCCAGAACCGAACGGCCCGTCCCTGGGAACTTAGCCATGGAA
CCTGAGAGCTGTGGGACATCCACTGTGCTGGTGTGTTCCCTGCTTGTGGAGAGCCTGACAGCCTGC
CAGGACTCGCAGTGCCTACAGAGCGTGGTGCCTGCCCTCCGTAACCTGGCAGACTCACCCAGCACCGC
CTGGCCTTGGCACAGCAGGGAGCAGTGCCTCCGCTGGCCGAGCTCCTGGCCACTGCCCCAGATGCTGCA
CTGACCTTAGCCCTCGTCCGTGCCCTCCTGGAAGTACAGCCGAGGCTGCTCCCGGGCTGTGCTGAGCAG
CTAAGTCTGGGTGGGGATTGGGCCACTCGTCAGCCTGGCTTCCACCCCAAGCGGGCAGTACGCGAG
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CTCCCTGCCAGCGAGCGGCTCAGCCACCGCTCCCTTTCTTCCGGGCCCTGCTGTGAGGCATTT
GCAGAAGCCAGATGGACCTGGTCCCCTGCGAGGTCTGTGCTGCTGGTGCAGCCTGGCCTGCTGCTG
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GGTTCAGAGGCCGAGGAGGCACTGGAGGCTGCTGGCCGTTTCTACTGCCTGGGCTGGAGGAGGAGCTG
GAAGAGGCCGTGGGCCGATCCACCTGGGACCCAGGGTGGCCCGGAGTCAAGGGTGGAGGTGTTCCGC
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CGGGTCTGGCCCTGGTGGGGCTGTGGAGGCAGCAGGTGAAGAGGCAGGGCCCCCTGACGGAGGCTTTG
CTGGCTGTGGTGTGGGATTGAGTTGGGGCAAGGGTCCCTGCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

Plasmid Map: □

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| ACCN: | NM_001105247 |
| Insert Size: | 2808 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: | <u>NM_001105247.1</u> |
| RefSeq Size: | 3649 bp |
| RefSeq ORF: | 2808 bp |
| Locus ID: | 79798 |
| UniProt ID: | <u>Q96C12</u> |
| Cytogenetics: | 16p11.2 |
| MW: | 97.7 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 (1) has an alternate 5' UTR and initiates translation at a downstream AUG codon, compared to variant 3. The resulting isoform (a) has a shorter N-terminus, compared to isoform c.</p> |