

Product datasheet for **RG226267**

ARMC5 (NM_001105247) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC5 (NM_001105247) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARMC5
Synonyms:	AIMAH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226267 representing NM_001105247
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGTGCGAAGCCAACCCACAGGACTCGTCTCGTTCTGCCTCGCGCAGCTCGCGCGCGCGGCCG
 GGGAGGCTCTGGGTGGGAAAAGGACCCAGCGACCAACGAGACACCCCTGAGCCGCGCTCCTAGCCCT
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 TAGTCCTACGCCCCAGTGCCTGCGCAAGACGCTGGACTTGGCGCTCAGCATCTAGCCGATTGCTGT
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 GAAGAGGACGGGCCCTGACGGAGCTTGTGCTGTGGTGTGGGATTGAGTTGGGGCAAGGGTCC
 CTGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226267 representing NM_001105247
 Red=Cloning site Green=Tags(s)

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MAAAKPTLTDSLFCCLAQLAAAAGEALGGKDPATNETPLSRALLALRTRHIKAAGGIERFRARGGLRPL
LALLRRAAAGSAPSQAGPGSAPSSAASGASSPAPASGPAPSAVSSSSPTPPVRLRKTLDLALSILADCC
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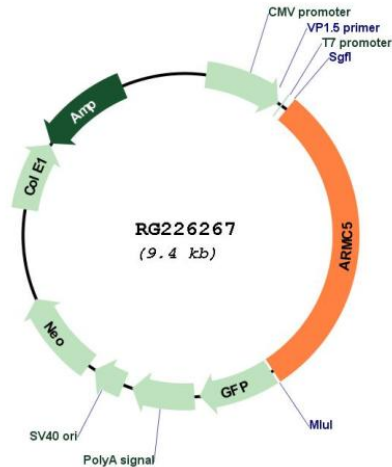
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001105247

ORF Size: 2805 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001105247.2](#)

RefSeq Size: 3649 bp

RefSeq ORF: 2808 bp

Locus ID: 79798

UniProt ID: [Q96C12](#)

Cytogenetics: 16p11.2

Gene Summary:

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]