

## Product datasheet for **RC239355**

### **ANKMY1 (NM\_001282781) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                              |
|---------------------------|----------------------------------------------|
| Product Type:             | Expression Plasmids                          |
| Product Name:             | ANKMY1 (NM_001282781) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                      |
| Symbol:                   | ANKMY1                                       |
| Synonyms:                 | ZMYND13                                      |
| Mammalian Cell Selection: | Neomycin                                     |
| Vector:                   | pCMV6-Entry (PS100001)                       |
| E. coli Selection:        | Kanamycin (25 ug/mL)                         |



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**ORF Nucleotide  
Sequence:**

>RC239355 representing NM\_001282781  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGAAGGGGCCCATGCCTCCCTTAGCTTAGAGGACGAAGTCTCTGGGGCTGGCAGCCGCCAACGCCCGC  
 TAGAGGGGAAGGGCGGCGAGACCCCTGCTGCCGAGGAGCCGGGTCCCTGAAGAATACTGCTGTCTTCGC  
 CACAAGGGATGTTTCAGCAGCCCTGAGAAGGAAGAGGAGGAAGCTGAGGGCCCGCTGAGGGCGCAGGAC  
 CTGAGGGAGTCTACATCCAGCTCGTCCAGGTGTGCAGGAGTGGCAGGATGGTTGCATGTACCAGGGGG  
 AGTTTGGGTTGAACATGAAGCTTGATATGGCAAATCTCTTGGCCACAGGCGAGTCATACCATGGGCA  
 GTTTTACCGGGACCACTGCCATGGCTGGGTACCTACATGTGGCCAGATGGCTCCAGTTTCACGGGCACA  
 TTTTACCTCAGCCACGAGAAGGCTACGGCACCATGTACATGAAGACACGGCTTTTCAGACTCACTGCC  
 ACAACGACATTGTCAACCTTCTCCTGGACTGTGGGGCCGACGTGAACAAGTGTCTCAGATGAGGGTCTCAC  
 GGCACTCAGCATGTGTTTCTCCTCCACTACCCCGCCAGTCTTCAAGCCCAATGTTGCTGAACGGACC  
 ATACCTGAGCCCCAGGAACCTCCAAAATCCCAGTTGTTCCAATCCTTTTCATCATATTTATGGACACAA  
 ACCTGGAGTCTCTGTACTATGAGCTCTCGCAGGCCATGCTGGAGAGAAGCGCCAGTCCCACAGCTTGCT  
 GAAGATGGCCTCGCCCTCACCCTGCACCAAGCAGCTTCGACAAAGGGACCATGCGGAGGATGGCGCTGTCC  
 ATGATCGAGCGGAGGAAGCGCTGGCGGACCATCAAGCTGCTGCTGCGCCGGGGCGCGGACCCCAACCTGT  
 GCTGCGTGCCCATGCAGTCTCTGTTCTTGTGTGAAGGCCGGGGACGTGGATGGGGTGAGGCTGCTGCT  
 GGAGCACGGGGCGAGGACCGACATCTGCTTCCGCCGAGCTGAGCACCTGACACCACTCCACATCGCT  
 GCCGCCCTTCTGGGGAGGAGGGGTACAGATTGTGGAGTGTGTTGCATGCCATCACCAGTGTGGACG  
 CCAAGGCATCCGACGAGGACGACACTTACAAGCCCGCAAGCTGGACCTGCTGCCCTCAAGTCTGAAGCT  
 CAGCAATGAGCCAGGCCCTCCCAAGCCTACTACAGCACGGACACAGCCCTCCCGAGGAGGGGGGCGAGG  
 ACGGCTCTGCACATGGCCTGCGAGCGGGAGGATGACAACAAGTGTGCCAGGGACATAGTCCGGCTCCTTC  
 TATCCACGAGCAAAATCCTAACCTGCTGTGGAGTGGCCACTCCCGCTCTCCTGTCCATTGCCAGTGG  
 GAATGAGCTGGTTGTGAAGGAGCTCCTGACCCAGGGAGCTGACCCCAACCTGCCCTGACCAAAGGCTTG  
 GGCAGTGGCCTGTGTGCTGTGACCTGACCTACGAGCACCAGAGGAACATGGACAGCAAGCTGGCCC  
 TGATTGACCGACTCATCAGTACGGGGCCGACATCCTGAAGCCTGTAATGCTCAGGCAGGGAGAAAAGGA  
 GGCAGTGGGCACAGCCGTGGACTATGGTACTTCAGATTCTTCCAGGACCGGAGGATTGCCCGCTGCCCC  
 TTCCACACGCTGATGCCAGCAGAGCGGAGACGTTCTGCGCGGAAGCGGCTCCTGGAGTACATGGGCT  
 TGCAGCTACGGCAGGCTGTCTTTGCCAAGGAGAGCCAGTGGGACCCACGTGGCTGTACCTGTGCAAGAG  
 AGCGGAGCTGATCCCCAGCCACAGGATGAAGAAGAAGGGCCCCAGCCTGCCAGGGGCTGGATGTGAAG  
 GAGCAGGGGCAAATTCCTTCTTCAAGTTCTGCTACCAAGTGTGGCCGCTCCATCGGGGTCCGCTCTTGC  
 CCTGCCCTCGCTGCTACGGGATCCTGACCTGCAGCAAGTACTGCAAGACCAAGGCCTGGACCGAGTTCCA  
 CAAGAAGGACTGCGGGGACCTGGTGGCCATCGTGACACAAGTGGAGCAAGTTTCCAGGAGGAGAGAAGAA  
 TTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC239355 representing NM\_001282781  
 Red=Cloning site Green=Tags(s)

MEGAHASLSLEDEVSGAGSRQRPLEGKGGETPAEEPGSLKNYAVFATRDVSAAPEKEEEEEAEGLRAQD  
 LRESYIQLVQGVQEWQDGCYQGEFGLNMKLGYGKFSWPTGESYHGQFYRDHCHGLGTYMWPDGSSFTGT  
 FYLSHREGYGTMYMKTRLFQTHCHNDIVNLLDCGADVNCSDGLTALSMCFLHYPASFKPNVAERT  
 IPEPQEPKFPVVPILSSSFMDTNLESLYYELSQAMLSAQSHSLKMASPSPCTSSFDKGTMRMALS  
 MIERRKRWRTIKLLLRGADPNLCCVPMQVFLAVKAGDVGVRLLLEHGARTDICFPQLSTLTPLHIA  
 AALPGEQGVQIVELLHAITDVAKASDEDDTYKPGKLDLLPSSLKL SNEPGPPQAYSTDTALPEEGGR  
 TALHMACEREDDNKCARDIVRLLSHGANPNLLWSGHSPSLSLIASGNELVVKELLTQGADPNLPLTKGL  
 GSALCVACDLTYEQRNMDSKLALIDRLISHGADILKPVMLRQGEKEAVGTAVDYGFRFFQDRRIARCP  
 FHTLMPAERETFLARKRLLEYMGLQLRQAVFAKESQWDPTWLYLCKRAELIPSHRMKKKGPSLPRGLDVK  
 EQQIPFFKFCYQCGRSIGVRLLPCPRCYGILTC SKYCKTAWTEFHKKDCGDLVAIVTQLEQVSRREE  
 FQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282781

**ORF Size:** 2106 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** NM\_001282781.2

**RefSeq Size:** 2479 bp

**RefSeq ORF:** 2109 bp

**Locus ID:** 51281

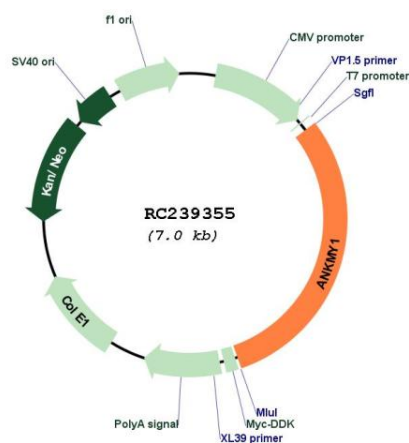
**UniProt ID:** Q9P2S6

**Cytogenetics:** 2q37.3

**Protein Families:** Druggable Genome

**MW:** 79 kDa

## Product images:



Circular map for RC239355