

## Product datasheet for **RC221211**

### ANKRD55 (NM\_024669) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANKRD55 (NM_024669) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANKRD55
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC221211 representing NM\_024669  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGAGACAGGCTACCATGGATTTAGCACCCTTCTGTGTTGATCAGCAAAGAGGTGACTCATCTG  
 AGGAAGTTGACCTGACCATGGTTTATCAAGCAGCCTCTAATGGAGATGTCAATGCTCTGACTGCAGTGAT  
 TCGGGAAGACCCTTCTATCCTAGAAATGCTGTGACAGTGAAGGATGCACGCCCTTGATGCATGCGGTTTCT  
 GGACGTCAAGCGGACACAGTGAAGCTGCTGTTGAAGATGGGAGCCAATATTAACATGCAGGATGCTTATG  
 GCCGCACAAGTTTATGCCTGGCCACCTACCTGGGCTGGCTTGAAGGCTGTGTGAGTCTACTCAGAAACGG  
 TGCCAAGCACAATATCCAGATAAAAAATGGCCGCTGCCACTGCATGCTGCCACTGCTGAGCCCGATATG  
 AGGCTCCTCACGGTCTGTTGCAACAGTGAACATCAGCGAGATTAATCACCAGGACAATGAGGGAATGA  
 CACCCTCCACTGGCGGCTTTCCACAACAGCCTCAACACACAAAATGCTGCTGAAGAAGGGGGCAGA  
 CCCACCCTTGTGGATAAAGACTTTAAAACCGCTCTCCACTGGGAGTCCAGAGTGGAAATAGGATTCTG  
 TGCTCCATCATTCTGAGCCATCACCAGGGGCCCTCAATCAACTATGATGATGAGAGTGGGAAGACAT  
 GTGTACATATCGCAGCGGACGCGGCTTCAGCGATATTATTCATGAGCTGGCAAGAGTCCCTGAGTGTA  
 CCTGCAGGCTCTGGATGTGGATGACAGGACACCTCTGACTGGGCTGCAGCTGCAGGGAAGGCCAATGT  
 GTCCAGTCACTGCTGGAGTTGGGAATGGACAGCAACCTGCGGGACATCAATGAGAGCACGCCCTTGGCCT  
 ATGCCCTGTAAGCGGTACACGGCGTGTGTCAAACCTCTCTCCCAAGAGAGCAGAACAGAGCCTACTCG  
 ACCCCCTCCCTCCAGAGCAGTCGGCCCCAGAAGAAGGAGAGACGGTTCACGTGCTCAACCAAAATTC  
 TGCAAAAAACAAGAAGAAGAGCAGAGAGCCCATCAGAAGGATCCAGCAGGAGCCGATACAGAGAGGAGG  
 ACACCTCAGAAGTCAATGACATCATCACCACCTTTGATAGCATCGTGGGTACCAACTGCCAAGAACAGCC  
 TGGTGATCAGGTGGCTATGGTTGAATTTAAGAAGAAAACCTCAGACAATTCAAAAATCTCTTACCAGAA  
 AAGAAAACCGCTGGCCGTAAGGGCTTCCACCAATCAGAACGCAGAGTCTCCACCCATCACCCTGGGCA  
 ATAACCTCCTAACAGCCTCCCATAGGGCCACTCCCATGCAGGCTGAGCTCTGCTCCTCATCATATGGC  
 CCAGCGATCTCAGAAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT  
 GATAACCCCTGGAAGAGTGATTCTAATCAGGATTTTCTACAAAGTTGGACTGTGTCTTCTTCTGATA  
 AGCTGCTGGACAGATTGCTCAGTGTCCGGCTGGTACCAAGAGGTCTCCGTGCCACCACACCTTCGCCA  
 TCTACATAATCCATCATCAGGACAAAATTTTCCAGCATCTTCCCAACAGACACAAAATCAGGGATCTT  
 CCTTTCCTCGGAACAACCTAGCTCCCCTACCAGATCAAAAATTTCTATCTGGAGAACCTCTGCGGACAA  
 ACCGAGTCTTCTGCAATTCGAAGTCAACGAAGACACAGCACAGCAGCAGAAGAGAGTGAACATTCTGC  
 CAACCCACCAAGTATGAAAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC221211 representing NM\_024669  
 Red=Cloning site Green=Tags(s)

MMRQATMDFSTPSVFDQQRGDSSEVDLTMVYQAASNGDVNALTAVIREDPSILECCDSEGCTPLMHA  
 VRQADTVKLLKMGANINMQDAYGRSLCLATYLGWLEGCVSLLRNGAKHNIPDKNGRLPLHAATAEPDM  
 RLLTVLLQQSNISEINHQDNEGMPLHWAFAHNQPQHTQMLLKKGADPTLVDFKFTALHWAVQSGNRIL  
 CSIILSHHQGPSIINYDDESGKTCVHIAAAGFSDIHELARVPECNLQALDVEDRTPHWAAGKAEC  
 VQSLLELGMSNLRDINESTPLAYALYCHTACVKLLSQESRTEPTRPPPSQSSRPQKKERRFVNLNQIF  
 CKNKKEEQRAHQKDPDRDYREEDTSEVNDIITTFDSIVGTNCQEQPGDQVAMVEFKKTSDNSKYLLPE  
 KKPLARKGLPPIRTQSLPITLGNFLTASHRATSHAGLSSAPHHMAQRSQKSRSEQDLLNRTGCQMLL  
 DNPWKSNSNQVFSYKVTWVSSDKLLDRLLSVRPGHQEVSPPHLRHLHNPSSGQNFQHLSPNRHKIRD  
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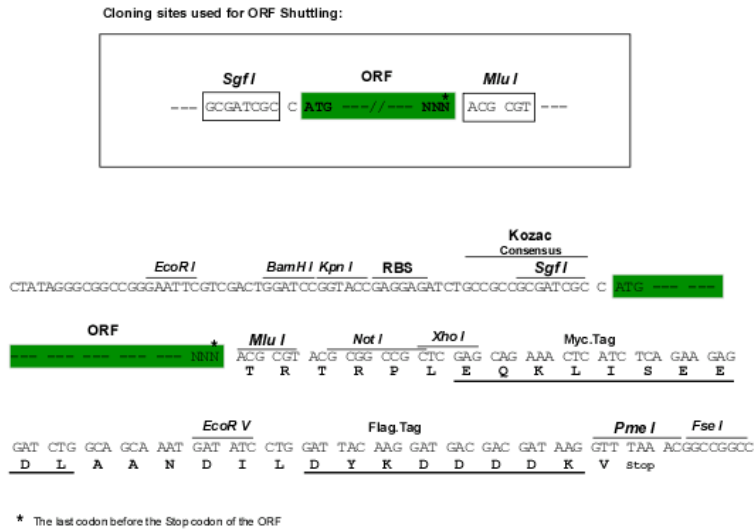
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8043\\_b07.zip](https://cdn.origene.com/chromatograms/mk8043_b07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024669

**ORF Size:** 1842 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.

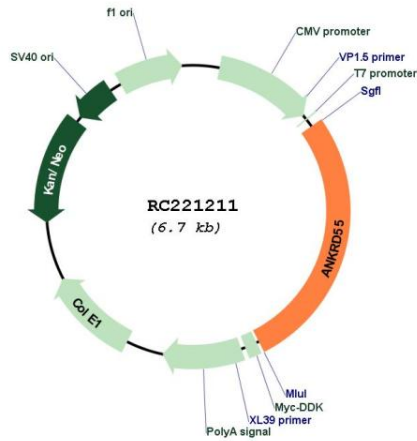
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_024669.3](#)

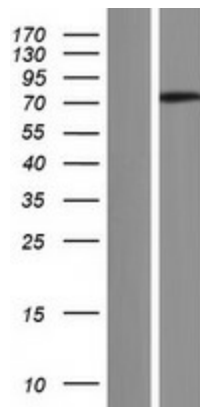
**RefSeq Size:** 2502 bp

**RefSeq ORF:** 1845 bp

**Locus ID:** 79722  
**UniProt ID:** [Q3KP44](#)  
**Cytogenetics:** 5q11.2  
**MW:** 68.2 kDa

**Product images:**


Circular map for RC221211



Western blot validation of overexpression lysate (Cat# [LY411185]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221211 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).