

## Product datasheet for **MR214055**

### **Rrnad1 (NM\_153562) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rrnad1 (NM_153562) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rrnad1
Synonyms:	MGC38548
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR214055 representing NM\_153562  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGGGCGTTTCAGCCCATGGCTCTCGCATGAGGAGAGAAGGCAACTGGCTGTGGACCTCACCCGCG  
 TCCTAGCTCACTACCGTTCCATCCTGGACGCCTACATCATCGAATTTTTACGGACAGCCTGTGGGGCAC  
 ACTCCCCCACTCATGGCAAGAAGCACTGGATGGACTGAACCCACCACAGCTGGCCACCCTGCTGCTGGGG  
 ATGCCGAGGGACGGGAGGAAATGAGGTACAGGTCTGTGTGGCCACTCACCTGTGGCCCTGAAGTCCA  
 CAGCTTGTGCCCTCGCCTTTACCGGACACCTGGCTTTCACACCCCATCAGAGTTCCTGGAGAACCCAG  
 CCAGAGCTCCCGACTAACAGCTCCTTTTCGAAACATGTCAAGCCCAAGAAGCAGCATGAGATCCGGAGG  
 CTGGGAGAGTTGGTGAAGAAGCTTAGCGATCTCACTGGCTGCACCAAGTTGTGGATGTGGGCTCAGGCC  
 AGGGCCACCTCTCCGCTTCATGTCTCTGGGGCTGGGGCTGATGGTGAAGAGCCTTGAAGGGAATCAGAG  
 GCTGGTAAAGAGAGCTCAGCATCTAGACCAGGAGCTCCTGAAGGCTCTGGACAAAATGGAGAAGAGGCAC  
 CCAAAGATGGTGAAGAAGGCCCTCGCCACCGGCCACCACAGTGGTTCACTGGGTCAGCCCCACAACCT  
 TGTGTGAGGAGCTTCTGCTTCTCTGGAGAGACCAGGCCAGAGTAGTGCACGTCTGCTGCTCACAGGCCCT  
 TCATGCTTGTGGGGATCTTAGTGTTCCTTGTAAAGACTTCTGCTGCTGCTGAAGTGGTGGCCCTG  
 GCCTCGGTAGGCTGTGTACATGAAACTCAGTGACCCTGGCAGCTACCCACTGAGTCAGTGGATAGCTG  
 GGCTGCCTGGCCATGAATACCTACAGGCTCCGGGAGGGTGCCTGCCATGCTCTGGAGGACTATGCGGA  
 GAGATTACATAAAGCAGAGCCTGGCCTGCAACACACTGCTTCCGTGCAGCACTGGAGACAGTCATCCGA  
 CAAGTCTGCCCTGAGCTTCGGAGGCTGGTGTGCAAGGAATCCCAGGGTCCATGAACTCAAGATTGAAG  
 AATATGTGAAACAAGGGTTAAAGCGAGTGGGTCTGGACCCCAAGTGCCTTTGGATCTGGCTGCCCTCCA  
 GGCCACCAAGGCCAAGAGAATCGTGTGGTGGCCTTCTTCAGCTTGGCCCTCTGCTGGCCCACTGGTA  
 GAGACATTGATTCTACTGACCGGATGCTCTATCTTCAGGAGCAAGGCTTCTATGCTGAGCTCCTGCCCA  
 TCTTCAGCCCTGAACTCTCTCCAGAAATCTGGTCTGGTGGCCACCAAGACGCCCTGGGTGAGGCCTT  
 CTCCACTCTTGAGACTGAAGACAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR214055 representing NM\_153562  
 Red=Cloning site Green=Tags(s)

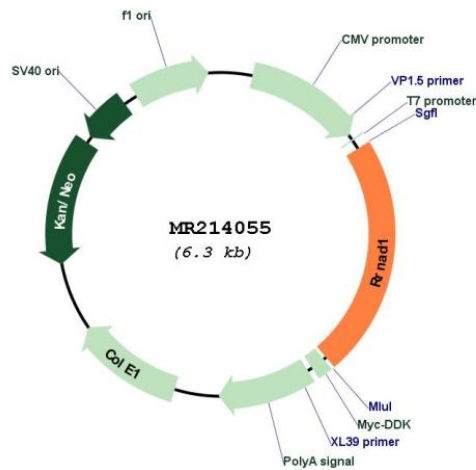
MRGVS AHGLSHEERRQLAVDLTRVLAHYRSILDAYIIIEFFDLSLWGLPHSWQEALDGLNPPQLATLLLG  
 MPRDGEEMRYRSVWPLTLLALKSTACALAFTRTPGFHTPSEFLENPSQSSRLTAPFRKHVKPKQHEIRR  
 LGELVKKLSDLTGCTQVVDVGSQGHLRFMSLGLMLVKSLEGNQRLVKRAQHLDQELLKALDKMEKRH  
 PKMVQRGPRHRPHHVQWVSPPTLCELLLPLERPGQSSARLLL TGLHACGDL SVALLRHFCCCPEVVAL  
 ASVGCCYMKLSDPGSYPLSQWIAGLPGHELPYRLREGACHALEDYAERLHKAEPGLQTHCFRAALETVIR  
 QVCPELRRPGVQGI PRVHELKIEEYVKQLKRVGLDPQLPLDLAALQAHQAQENRVVAFVSLALLLAPLV  
 ETLLILDRMLYLQEQGFYAELLPIF SPELSPRNLLVATKTPLGQAFSTLETEDN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**

**ACCN:**

NM\_153562

**ORF Size:**

1425 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\\_153562.4](#), [NP\\_705790.3](#)

**RefSeq Size:** 2847 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 229503

**UniProt ID:** [Q8BZG5](#)

**Cytogenetics:** 3 F1

**MW:** 53.7 kDa