

Product datasheet for **MG214055**

Rrnad1 (NM_153562) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rrnad1 (NM_153562) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Rrnad1 |
| Synonyms: | MGC38548 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG214055 representing NM_153562
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGGGGCGTTTCAGCCCATGGCCTCTCGCATGAGGAGAGAAGGCAACTGGCTGTGGACCTCACCCGCG
 TCCTAGCTCACTACCGTTCCATCCTGGACGCCTACATCATCGAATTTTTACGGACAGCCTGTGGGGCAC
 ACTCCCCCACTCATGGCAAGAAGCACTGGATGGACTGAACCCACCACAGCTGGCCACCCTGCTGCTGGGG
 ATGCCGAGGGACGGGAGGAAATGAGGTACAGTCTGTGTGGCCACTCACCTGCTGGCCCTGAAGTCCA
 CAGCTTGTGCCCTCGCCTTTACCGGACACCTGGCTTTACACCCCATCAGAGTTCCTGGAGAACCCACG
 CCAGAGCTCCCGACTAACAGCTCCTTTTCGAAACATGTCAAGCCCAAGAAGCAGCATGAGATCCGGAGG
 CTGGGAGAGTTGGTGAAGAAGCTTAGCGATCTCACTGGCTGCACCCAAGTTGTGGATGTGGGCTCAGGCC
 AGGCCACCTCTCCCGTTCATGTCTCTGGGGCTGGGGCTGATGGTGAAGAGCCTTGAAGGGAATCAGAG
 GCTGGTAAAGAGAGCTCAGCATCTAGACCAGGAGCTCCTGAAGGCTCTGGACAAAATGGAGAAGAGGCAC
 CCAAAGATGGTGC AAAGAGGCCCTCGCCACCGGCCACCACAGTGGTTCAGTGGGTGAGCCCACTCAACT
 TGTGTGAGGAGCTTCTGCTTCTCTGGAGAGACCAGGCCAGAGTAGTGCACGTCTGCTGCTCACAGGCC
 TCATGCTTGTGGGGATCTTAGTGTTCCTTGTAAAGACTTCTGCTGCTGCTCCTGAAGTGGTGGCCCTG
 GCCTCGGTAGGCTGCTGTACATGAAACTCAGTGACCCTGGCAGCTACCCACTGAGTCAAGTGGATAGCTG
 GGCTGCCTGGCCATGAATACTTACAGGCTCCGGGAGGGTGCCTGCCATGCTCTGGAGGACTATGCGGA
 GAGATTACATAAAGCAGAGCCTGGCCTGCAACACACTGCTTCCGTGCAGCACTGGAGACAGTCAATCCGA
 CAAGTCTGCCCTGAGCTTCGGAGGCCTGGTGTGCAAGGAATCCCAGGGTCCATGAACTCAAGATTGAAG
 AATATGTGAAACAAGGGTTAAAGCGAGTGGGTCTGGACCCCAAGTGCCTTTGGATCTGGCTGCCCTCCA
 GGCCACCAAGGCCAAGAGAATCGTGTGGTGGCCTTCTTCAGCTTGGCCCTCTGCTGGCCCACTGGTA
 GAGACATTGATTCTACTGACCGGATGCTCTATCTTCAGGAGCAAGGCTTCTATGCTGAGCTCCTGCCCA
 TCTTCAGCCCTGAACTCTCTCCAGAAATCTGGTCTGGTGGCCACCAAGACGCCCTGGGTGAGGCCTT
 CTCCTACTTGGACTGAAGACAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG214055 representing NM_153562
 Red=Cloning site Green=Tags(s)

MRGVS AHGLSHEERRQLAVDLTRVLAHYRSILDAYIEFFFTDSLWGTLPHSWQEALDGLNPPQLATLLLG
 MPRDGEEMRYRSVWPLTLLALKSTACALAFTRTPGFHTPSEFLENPSQSSRLTAPFRKHVKPKKQHEIRR
 LGELVKKLSDLTGCTQVVDVVGSGQGHLSRFMSLGLGLMVKSLGNQRLVKRAQHLDQELLKALDKMEKRH
 PKMVQRGPRHRPHHVQWVSPTTLC EELLPLERPGQSSARLLL TGLHACGDL SVALLRHFCCCPEVVAL
 ASVGC CYMKLSDPGSYPLSQWIAGLPGHEL PYRLREGACHALEDYAERLHKAEPGLQTHCFRAALETVIR
 QVCPELRRPGVQGI PRVHELKIEEYVKQGLKRVGLDPQLPLDLAALQAHQAQENRVVAFFSLALLLAPLV
 ETLILLDRMLYLQE QGYAELLPIFSPELSPRNVLVATKTPLGQAFSTLETEDN

TRTRPLE - GFP Tag - V

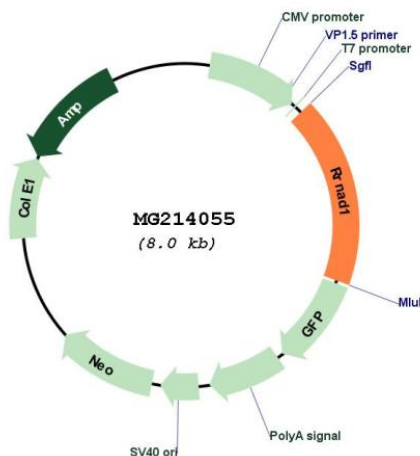
Restriction Sites:

Sgfl-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