

Product datasheet for **RG201870**

RRNAD1 (NM_015997) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RRNAD1
Synonyms:	C1orf66; CGI-4I; METTL25B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG201870 representing NM_015997
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGGGCATCTCCGCCGAGGCCTCTCTCATGAGGGGAGGAAGCAGCTAGCTGTTAACCTACCCGTG
 TCCTGGCACTCTACCGTTCCATCTTGGATGCCTACATCATCGAATTTTTCACAGACAACCTATGGGACAC
 ACTCCCTTGCTCATGGCAGGAAGCATTGGATGGACTGAAACCAACACAGCTGGCCACAATGCTGCTGGGG
 ATGCCTGGGGAAGGGGAGGTCGTCAAGTACAGGTCAAGTGTGGCCACTCACCTGCTGGCCCTGAAGTCCA
 CGGCGTGTGCCCTGGCCTTTACCGGATGCCTGGCTTTCAGACCCCTCAGAATTCCTGGAGAACCCAG
 CCAGAGCTCCCGACTAACAGCTCCATTCCGGAACATGTCAGGCCCAAGAAGCAGCATGAGATCCGGAGG
 CTGGGAGAGTTGGTGAAGAAGCTGAGTGATTTACAGGCTGCACCCAGGTTGTAGACGTGGGCTCAGGCC
 AGGGCCATCTCTCCGCTTCATGGCTCTTGGCTGGGGTTGATGGTGAAGAGCATCGAAGGGGATCAGAG
 ACTGGTGGAGAGAGCCAGCGCTGGACCAGGAGCTTCTGCAGGCTCTGGAGAAGAGGAGAAGAGGAAC
 CCGCAGGTGGTCCAAACAGCCCTCGTCACTCCCAACACAGCTGGTTAGGTGGGTAGACCCACAGCCC
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 GGCTGCCTGGCTATGAAGTGCCTACCGCTTCGGGAGGGGGCTGCCATGCCCTGGAGGAATATGCTGA
 GCGGCTACAGAAAGCTGGCCCTGGCCTTCAAGTCACTGCTACCGTGCAGCACTGGAGACAGTCATCCGA
 CGGGCCCGGCCGAGCTCCGTGGCCAGGCGTGCAGGGTATCCCAAGGTCCACGAGCTCAAGATTGAAG
 AATATGTGACGCGGGGCTACAGCGAGTGGGCTAGATCCCAAGTGCCTGAATCTGGCTGCCCTTCA
 GGCCCACTGGCCAGGAGAACCCTGTGGTGGCCTTCTCAGCCTGGCTCTACTGCTTGCCCACTGGTG
 GAGACGCTTATTCTACTGGACGGCTGCTGTACCTCAGGAACAGCTTTTCCATGCTGAGCTCCTGCCCA
 TCTTCAGTCTGAAGTCTCTCCAGAAACCTGTTCTGGTGGCCACCAAGATGCCCTGGGTGAGGCTCT
 TTCTGTTCTGGAGACTGAAGACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

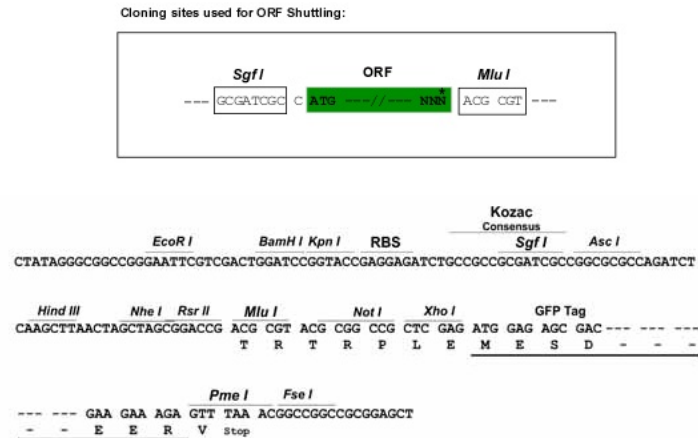
Protein Sequence: >RG201870 representing NM_015997
 Red=Cloning site Green=Tags(s)

MPGISARGLSHEGRKQLAVNLTRVLALYRSILDAYIIIEFFDNLWDLPQSWQEALDGLKPPQLATMLLG
 MPGEDEVVRYRSVWPLTLLALKSTACALAFTRMPGFQTPSEFLENPSQSSRLTAPFRKHVRPKQHEIRR
 LGELVKKLSDFGTGCTQVVDVSGQGHLRFMALGLGLMVKSIEGDQRLVERAQRDQELLQALEKEEKN
 PQVVTSPRHSPHHVVRWDPTALCEELLPLENPCQGRARLLLTGLHACGDLVALLRHFSCCPEVVAL
 ASVGCCYMKLSDPGGYPLSQWVAGLPYELPYRLREGACHALEEYERLQKAGPGLRTHCYRAALETVIR
 RARPELRRPGVQGIPIRVHELKIEEYVQRGLQRVGLDPQLPLNLAALQAHLAQENRVVAFSLALLLAPLV
 ETLILLDRLLYLQELFHAELLPIFSPELSPRNLLVATKMPLGQALSVLETEDS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015997

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:

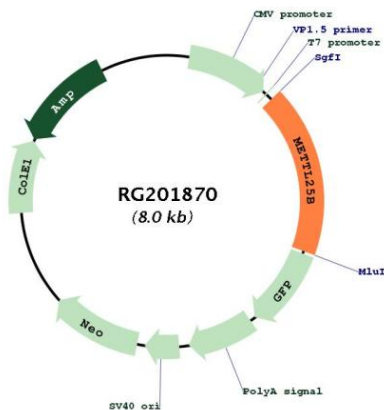
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

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

RefSeq: [NM_015997.2](#), [NP_057081.2](#)

RefSeq Size: 2258 bp
 RefSeq ORF: 1428 bp
 Locus ID: 51093
 UniProt ID: [Q96FB5](#)
 Cytogenetics: 1q23.1

Product images:



Circular map for RG201870