

## Product datasheet for **RG200815**

### RAMAC (NM\_031452) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RAMAC (NM\_031452) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RAMAC  
**Synonyms:** C15orf18; FAM103A1; HsT19360; RAM; RAMMET  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200815 representing NM\_031452  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTGACACTGCCGAAGCTGTTCCAAAGTTTGAAGAGATGTTTGCTAGTAGATTCACAGAAAATGACA  
AGGAGTATCAGGAATACCTGAAACGCCCTCCTGAGTCTCCTCCAATTGTTGAGGAATGGAATAGCAGAGC  
TGGTGGGAACCAAGAACAGAGGCAATCGTTGCAAGACAACAGACAGTTCAGAGGCAGGGACAACAGA  
TGGGGTGGCCAAGTACAATCGATCCAATCAGTGGCATGGACGATCCTGGGTAACTACCCGCAAC  
ACAGACAAGAACCTTACTATCCCAGCAATATGGACATTATGGTTACAACCAGCGCCTCCTTACGGTTA  
CTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG200815 representing NM\_031452  
Red=Cloning site Green=Tags(s)  
MTDTAEAVPKFEEMFASRFTENDKEYQEYLKRPPESPPIVEEWSNRAGGNQRNRGRLQDNRQFRGRDNR  
WGWPSPDNRSNQWHGRSWGNNYPQHRQEPYYPQYGHYGYNQRPYPGY

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_031452

**ORF Size:** 354 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\\_031452.4](#)

**RefSeq Size:** 1220 bp

**RefSeq ORF:** 357 bp

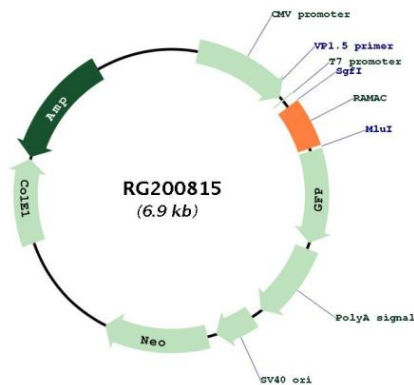
Locus ID: 83640

UniProt ID: [Q9BTL3](#)

Cytogenetics: 15q25.2

**Gene Summary:** Regulatory subunit of the mRNA-capping methyltransferase RNMT:RAMAC complex that methylates the N7 position of the added guanosine to the 5'-cap structure of mRNAs (PubMed:22099306, PubMed:27422871). Promotes the recruitment of the methyl donor, S-adenosyl-L-methionine, to RNMT (PubMed:27422871). Regulates RNMT expression by a post-transcriptional stabilizing mechanism (PubMed:22099306). Binds RNA (PubMed:22099306). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG200815