

Product datasheet for **SC108758**

RAMAC (NM_031452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAMAC (NM_031452) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAMAC
Synonyms:	C15orf18; FAM103A1; HsT19360; RAM; RAMMET
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108758 sequence for NM_031452 edited (data generated by NextGen Sequencing) ATGACTGACACTGCCGAAGCTGTTCCAAAGTTTGAAGAGATGTTTGCTAGTAGATTCACA GAAAATGACAAGGAGTATCAGGAATACCTGAAACGCCCTCCTGAGTCTCCTCCAATTGTT GAGGAATGGAATAGCAGAGCTGGTGGGAACCAAAGAAACAGAGGCAATCGGTTGCAAGAC AACAGACAGTTCAGAGGCAGGGACAACAGATGGGGTGGCCAAGTGACAATCGATCCAAT CAGTGGCATGGACGATCCTGGGGTAACAACCTACCCGCAACACAGACAAGAACCTTACTAT CCCCAGCAATATGGACATTATGGTTACAACCAGCGGCCTCCTTACGGTTACTACTGA Clone variation with respect to NM_031452.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031452 unedited</p> <p>TCAAATATTTGTAATACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGNAGAGAGA GAGGCGCTCGGTTACATTGGAGAACTGGAGTGGTCTGGAGTTCACGGTGTAGTGGACCA GAGGCCACCTCTCTGGGCTTCTCAGTGTCTCGCCGGCGGGTTCGGCCTGAGCTGGATT GACATAGCCCTTGGCGGATTTAAACAACCTAAACATTAAGCAGTACAGCTGCCTCAAACC TTTGGGATTTTCAGAATGACTGACACTGCCNAAGCTGTTCCAAAGTTTGAAGAGATGTTT GCTAGTAGATTCACAGAAAATGACAAGGAGTATCAGGAATACCTGAAACGCCCTCCTGAG TCTCTCCAATTGTTGAGGAATGGAATAGCAGAGCTGGTGGGAACCAAAGAAACAGAGGC AATCGGTTGCAAGACAACAGACAGTTCAGAGGCAGGGACAACAGATGGGGTGGCCAAGT GACAATCGATCCAATCAGTGGCATGGACGATCCTGGGTAACTACCCGCAACACAGA CAAGAACCTTACTATCCCAGCAATATGGACATTATGGTTACAACCAGCGGCCTCCTTAC GGTACTACTGATAGAAATGTTGGCAGCTTTTAGTAAAAGCATTACTCTGTTACCATGA GAAAGTNTGGGTGTCTCTGTTGGTCATAGTTTACATCTGATTTACAGAATGGATTAT TGATTTTTTGGGAAAGTGAAGTNTAAAAAATAGATCTTACTTGCGAATGCCGATGGTT GCTGGGATACCTGANACTGTGGATATAATTGCTGGACTTCTACCTCAGAATCTNCTTGG TTCATGACTTATATGGCTCTNTAAGGTTGGGATAATATTTGACCTCTAGAATTCTTTGTT TTCACAGAATTAATAAATAAAAAAGCTTTACTTTGTAGGGNAGAAGATCATGCCCT AAGGGCCGTTCTAATATAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031452 unedited</p> <p>GGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTATTTTACAGCTTTATTACTGAT TTCCCTCTAAAAAGAGACTCAAGTGTGGAGCTGACTCATCTATAGATTAAGGAATCACAA AGTACCATAGTCACTTAACAAATGCAAAAAAAAAAAAAAAAAAGCAATTGTTTTACCTTTCAAC TGCTGATGTTATGTACAATCTATCACAAAAGCATAGCTGTGCATTCATGAGCTGATTAT ATCAACCTCTAGAATTTAGAAAAGCAGCAGTCTAAGCATATGGATACTCTTTACCTTA CAAAGTAAAAGCATTCTATTTTAAAATTTTTATTTCTGTGTAACAAAGAATTCTTA GAGGTCAAATAATATACCAAACTTAAAGCACTATTAAGTCATGAAACAAAGAAGATTCTG AGGTAGAAGTCAAGCAATATAATCCACAGTTTCAGGTATCCCAGCAACCATCGCATTTT GCAAGTAAAGATCTATTNTTTTTAAAGTCTCAACTTCCAAAAATCAATAATCCATTCTGTA AAATCAGATGTAACACTATGACCAACAGAAGACACCCAACTTTTCTCATGGGTACAGAG TAAATGCTTTTACTAAAAGCTGCCACATTTCTATCAGTAGTACCCGTAAGGAGGCCGCT GGNTGTAACCATAAATGTCCATATTGCTGGGATAGTAAGGNTCTTGCTGTNGTGGGGT ANTTGTACCCCCAGATCGTCCATGCCACTGATGGNATCGNATGCCACTTGCCCAACCC ATCTGNTGTCNTGCCTCTGAACTGNCTGTTGTCTTGACCCGATGCCTTTTGTCTTT GGTCCCACAGCTCTGCTTTTCCCTCACAATTGGAGAACTCAGAGGNCGTTTCAGAA ATCCTGAACCTCCTGCATTTCTGGATCTACTACAAACATTTTTAACTGNGAACAGNNTC GCAGGTCAAGTCTGAAATCCNAANGTTGAGCACCTGCCGCTTATGGTTTAGTTGTTA ATCCGCCAGGCTATGTAATCAACTAGGCCGACC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_031452
Insert Size:	1240 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_031452.2](#), [NP_113640.1](#)

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]