

Product datasheet for **MC215731**

Rgmb (NM_178615) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rgmb (NM_178615) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rgmb
Synonyms:	1110059F19Rik; DRAGON
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215731 representing NM_178615
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGTGAGAGCAGCACCTTCTGCGCCGCCGCCGCCGCCGCCGGGGCTGAGCAGTCCCGCCGCC
 CCGGGCTCTGGCCGCGTCGCCCGCCGCCGCTGTTGCTGCTGCTGCTCAGCCTTGGGCTGCTCCA
 CGCAGGTGATTGCCAACAGCCTACTCAATGCCAATCCAGAAATGTACCACAGACTTCGTGGCCCTGACT
 GCACACCTGAACTCTGCCGCTGATGGGTTTGACTCTGAGTTTTGCAAGGCACTTCGCGCCTATGCTGGCT
 GCACCCAGCGAACTTCAAAGGCTGCCGAGGCAACCTGGTGTACCATTCTGCTGTGTTAGGCATCAGTGA
 TCTCATGAGCCAGAGGAACTGTTCCAAGGATGGACCCACATCTCCACCAATCCGGAAGTGACCCATGAC
 CCCTGTAACACAGCCACGGGGGAGTCAGAGAACATGGGGGAGGGGACCAGAGACCTCCAATTACC
 TTTTCTGTGGCTGTTTGGAGACCTCACCTTCGAACTTCAAGGATCACTTCCAGACATGCAAAGTGGA
 AGGGCCCTGGCCACTCATAGACAACAATTACCTTTCGGTTCGAAAGTACGAACTGCTGTGGTCCCGGG
 TCCAGTCAACTGCTACAAACAAGGTACGATTATCTTCAAAGCACAGCAGAGTGCACGGATCAGAAGG
 TGTACCAAGCTGTGACAGATGACCTGCCGGCCGCTTTGTAGATGGCACCACAGTGGGGGGACGGTGA
 CGTGAAGAGTCTTACATCGTGGAGAAGGAGAGTGGCCGCTACGTAGAGATGCATGCCCGCTACATAGGC
 ACCACAGTGTGTCGACAGCTGGGTCGCTACCTAACCTCGCTATCCGGATGCCCGAAGACTTGCCCA
 TGTCTATGAGGAAAGCCAGGACTTGCAGCTGTGTGTAATGGCTGCCCATGAGTGAATGCATTGATGA
 TGGACAAGGCCAGGTGTCTGCTATCCTGGGGCACAGCTGCCTCACACCCTCAGTGCAGGCTGGCCT
 GGCTACACACTGGAGACTGCCAGCACCAATGCCACGAGAAGATGCCGGTGAAGGACATCTATTTCCAAT
 CGTGTGCTTCGACCTGCTCACCTGGTGTGCAACTTTACTGCTGCAGCCACAGTGCCTTGGAGGA
 TGTGGAAGCGCTGCACCCAAGAAAGGAACGCTGGCACATCTTCCCAGCAGCTGTGGGGGATGTAGGGAT
 TTGCTGTTGGTCTTGACTCACATGCTTGATCCTTATTATGTTTTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_178615
- Insert Size:** 1311 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_178615.3 , NP_848730.2
RefSeq Size:	2633 bp
RefSeq ORF:	1311 bp
Locus ID:	68799
UniProt ID:	Q7TQ33
Cytogenetics:	17 A2
Gene Summary:	Member of the repulsive guidance molecule (RGM) family that contributes to the patterning of the developing nervous system. Acts as a bone morphogenetic protein (BMP) coreceptor that potentiates BMP signaling. Promotes neuronal adhesion. May inhibit neurite outgrowth (By similarity).[UniProtKB/Swiss-Prot Function]