

## Product datasheet for **MC201225**

### **Rab3il1 (NM\_144538) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rab3il1 (NM_144538) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rab3il1
Synonyms:	1200014K04Rik; AI115013; C76746; Rab3ail1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC020147 sequence for NM\_144538  
 GAGCGATTGACAGGCGGCAGGGCAGCTCTGGGGCCCCGGCAGAGTTGGCGGCGCGCAGGACGCGGCTA  
 CGGCGGAGACGCTGGGATGTGGAGCGGCCAACCCCAACAAGACGAGGGCCTCCCTGTGGGCTCTCTGCT  
 ATCCCAGTCCCCTGAAAAACCTAGGCCCCAGCAAAAGTAAACAGGGAGTCTCAGGAGGCCTGGTAGAAG  
 CCTCCACTTCTGGGAGGAGGCCAGGGTGAGGAACACCCGGCACCTGCTCCACTGGATGTGTACGCCT  
 GCGCAGTTCCTCCATGGAGATCCGAGAGAAGGGCTCCGAGTTCCTAAAGGAGGAGCTATACAAAGCCAG  
 AAGGAGCTGAAGCTAAAGGATGAAGAGTGTGAACGGCTTTGCAAAGTACGTGCACAGCTGGAGCAGGAGC  
 TTGAGGAGCTGACAGCCAGCCTGTTTGGAGGAGCTCACAAGATGGTTCGGGAAGCCAACATGAAGCAGGC  
 GACATCGGAAAAGCAGTTGAAGGAGGCTTGGGGCAAGATCGACATGCTACAGGCAGAGGTGACAGCCTTG  
 AAGACATTGGTCAACATCCACACCAGCCTCTCCCAACCGTGAGCTCCACCCACAGCTGCTGAGCCCCA  
 CCAAAGCTGGACCCGAAAGGGCCACTCACGTCAAAGAGCACCAGCAGCTCCCTCTGCCCTGTTGTGTG  
 CCCCAGTGCAGGGCATATCCCTACCCTGACAAAGAAGGCAAGGAGGTGGATACGACGCTGTTTGCAGAG  
 TTCCAAGCTTGGAGAGCTTACCTACCCTGGATAAAGAGCTGCCCTTCTAGAAAGGGTGTACGGGAGG  
 ACGTGGGCCCTTGCTTACTTACAGTGCAGGAGCTCTCAGCTCTGGTTCGGACTGCTGTGGAGGACAA  
 CACTACCATTGAGCCTGTGGCTTACAGACTGCCCCTGTGAAGGTGCCACTGTTGAGTGTAAAC  
 AACACCAACACATGTGCCCTGAGTGGCCTGGCAGTACCTGCCACCATCGAATCCGCTGGGGGACTCTG  
 ACAGCCACTATTACATCTCACCGTCTCCCGGGCCAGGATCACCCGAGTATGCAACTTCTCACCTATAT  
 TCGCTACATCCAGCAAGGTCTGGTTCGGCAGGATGCTGAGCCGATGTTCTGGGAGATCATGAGGCTTCGG  
 AAGGGCATGTACTAGCCAAGCTTGGCTTCTTCCCCCAGGAGGCCTAGGGCATGGCCCCAGGCCTGAAGT  
 AAGCTCTGAGCTAGAGCAAACAGCTGCCTTGGGACAGACAGACAAGAAATCCTGGAGCCAGCTCTGAGCC  
 AGAAGCTGAAAGGACAGATAAACAACCAGGCTGTAGAGACAGTCTGAGCCCGTACCACCCATCCGTCT  
 GAGACAGACAAAAGGACAGCCTGGCCTGGACTTTCATCAGATGACCCTCTTGGCCACTGAGCTCTGTAGCC  
 AACAAGAGAATCTCAAGAAAGCACAAAGACCAAGGTGCTCGGAGCAAGGAGCTCAGCCCTGGGGAGAGG  
 ACCCTTGGAGTAGCCAGTACCCTCACACAATCCCCTGCTGCTTACCAATGCTCTCTTGGCTGCCACATCTT  
 AGAAAGGGGCTGCTCTAGGGTGGCTGGATTTCCAGCCCTGGGACACCAGCACCCCTTGTGGCCATTTCT  
 CACTCTGTTTCCAAGTGGCCTCATTAGACTGCCCCAGTGGTAGGGCAAATGTCTCCAATCTGAACAAGGT  
 GGAGAGATAACTGCCCGAAGTGTCTGAAGACTGTGGACATCAGCATTCCACCTTCTGCCTCCGTGAAT  
 CTGATTCCTAGAGATTTGCTGTAATGGAAGCAGCATACTCATCTTCTAGTACTGGCTGTTTCACT  
 TAATGCAATGTCAATATCCATCCATGTTGTAAGATGACAGGATTTCTTTAAGACTTGGTAATATTCTG  
 ATGTATGTGAACAGCCACTGTGTTTATCCATTAATTGGAGACACACGGGTTACTGGTACCTGTTAA  
 TGTATATGCAAAATATCTTGGAGACCCTGCATAGAGTCTTTGAATAAATTACCGTTAGTAAATTTGCT  
 CATAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_144538

**Insert Size:** 1152 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:** [BC020147](#), [AAH20147](#)

**RefSeq Size:** 2121 bp

**RefSeq ORF:** 1152 bp

**Locus ID:** 74760

**UniProt ID:** [Q8VDV3](#)

**Cytogenetics:** 19 A

**Gene Summary:** Guanine nucleotide exchange factor (GEF) which may activate RAB3A, a GTPase that regulates synaptic vesicle exocytosis. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. May also activates RAB8A and RAB8B (By similarity).[UniProtKB/Swiss-Prot Function]