

## Product datasheet for **MC218211**

### **Numb (BC033459) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Numb (BC033459) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Numb
Synonyms:	mnb, m-numb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC033459  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAACAAACTACGGCAAAGCTTCAGGAGAAAGAAAGACGTTTATGTCCCAGAGGCCAGCCGTCCACATC  
 AGTGGCAGACAGATGAAGAAGGAGTCCGCACTGGAAAGTGTAGCTTCCCAGTTAAGTACCTCGGCCACGT  
 AGAAGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTAAGAGATTGAAAGCTACGGGAAAG  
 AAAGCAGTGAAGGCCGTTCTGTGGGTGTGAGCGGATGGGCTCAGAGTTGTGGACGAGAAAATAAGGACC  
 TCATAGTTGACCAGACAATAGAAAAAGTTTCTTCTGTGCCCCAGATAGGAACTTTGACAGAGCCTTTTC  
 TTACATATGTCGCGATGGCACCCTCGGCGATGGATCTGTCTATTGTTTCATGGCTGTCAAAGACACGGGG  
 GAAAGACTGAGCCAGCCGTGGGCTGTGCTTTTGCAGCCTGTTTAGAGCGTAAACAGAAGCGGGAGAAGG  
 AGTGTGGCGTCACTGCTACTTTTGTAGCCAGTAGAACCTTTTACAAGAGAAGGATCATTCCGTGTAC  
 AACTGCCACTGAGCAAGCCGAAAGAGAGGAGATCATGAAACAGTTGCAAGATGCCAAGAAAGCTGAGACA  
 GACAAGACAGCTGTTGGTCCATCAGTGGCTCCTGGCAACTGCTCCATCCCCATCCTCTCCACCTCTC  
 CCACTCCGGATGGCACTGCATCTCAGAGATGAACAATCCCCATGCTATCCCACGCCGGCATGCACCAAT  
 TGAACAGCTTGCTCGTCAAGGCTCTTCCGGGGATTTCTGCTCTTAGCCAGAAGATGTCACCCTTAA  
 CGCCAGCTGTCCCTCCGCATCAATGAGTTGCCCTCCACTATGCAGAGGAAGACTGATTTCCCAATAAAAA  
 ACACAGTGCCCGAGGTGGAAGGAGAGGCCGAGAGCATCAGCTCCTTGTGTTCCAGATCACCAGTGCCTT  
 CAGCACGCCCTCTGAGGACCCCTTCTCCTCCGCCCAATGACCAACAGTGACATTGGTGGCACCACAG  
 TCTCCTGTGTTACAAGGGACTGAGTGGGTGAGTCTTCTGGTGTGCTCCTCCAGGTCTCTCCAGGCTG  
 GTCACAGACGCACTCCCTCTGAAGCTGACCGTGGTTAGAAGAAGTGTCAAAGAGTGTGCGGGCCAGCA  
 GCCTCAGGTCTCAGCTGCCCTCTGCAGCCAGTTCTCCAGCCGCTCCGCCCGCCGCAATTGCCCTCCA  
 GCACCTCCTTTCAAGGACATGCCTTCTCACGTCCCAGCCTGTGCCCGTGGGTGTGGTCCACCCCTAC  
 AACCCAGCTTTGTCCCTACCCAGTCTACCCTGTGGCCAACGGGATGCCCTACCCAGCCTTAATGTGCC  
 TGTAGTGGGCATCACCCATCCCAGATGGTAGCCAATGTGTTGGCACTGCAGGCCACCCTCAGACCACT  
 CATCCACATCAGTCGCCAAGCCTGGCCAAGCAGCAGACATTCCCTCAATATGAGACAAGTAGTGCTACCA  
 CCAGTCCCTTCTTAAGCCTCCTGCTCAGCACCTCAATGGTCTGCAGCTTCAATGGTGTAGACAAATGG  
 TGGGCTAGCCTCAGGAAACAGGCATGCAGAAGTCCCTCCAGGCACCTGCCAGTGGATCCTTTGCAAGCT  
 CAGTGGGCGCACTAGAAAGCAAGTCCAAGCAGCGTACAATCCTTCTCCTACCAACCCTTCTCCAGT  
 ACTTACAGAAAACGTTTGAATAGAACTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC033459

**Insert Size:** 1782 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:** [BC033459](#), [AAH33459](#)

**RefSeq Size:** 3495 bp

**RefSeq ORF:** 1781 bp

**Locus ID:** 18222

**Cytogenetics:** 12 D1

**Gene Summary:** This gene encodes a conserved protein that is distributed asymmetrically during cell division in the developing embryo. The encoded protein participates in cell fate decisions by interacting with the Notch receptor. Loss of function of this gene results in severe defects in neural development and loss of viability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]