

## Product datasheet for **MC219614**

### **Numb (NM\_010949) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Numb (NM_010949) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Numb
Synonyms:	m-num; Nb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219614 representing NM\_010949  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACAAACTACGGCAAAGCTTCAGGAGAAAGAAAGACGTTTATGTCCCAGAGGCCAGCCGTCCACATC  
 AGTGGCAGACAGATGAAGAAGGAGTCCGCACTGGAAAGTGTAGCTTCCCAGTTAAGTACCTCGGCCACGT  
 AGAAGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTAAGAGATTGAAAGCTGAAAGGAAG  
 TTCTTCAAAGGCTTCTTTGGAAAAACGGGAAAGAAAGCAGTGAAGGCCGTTCTGTGGGTGTGAGCGGATG  
 GGCTCAGAGTTGTGGACGAGAAACTAAGGACCTCATAGTTGACCAGACAATAGAAAAAGTTTCTTCTG  
 TGCCCCAGATAGGAACCTTGACAGAGCCTTTTCTACATATGTCGTGATGGCACCCTCGGCGATGGATC  
 TGTCAATGTTTCATGGCTGTCAAAGACACGGGGAAAGACTGAGCCACGCCGTTGGCTGTGCTTTTGCAG  
 CCTGTTTAGAGCGTAACAGAAGCGGGGAGAAGGAGTGTGGCGTCACTGCTACTTTTGTGCCAGTAGAAC  
 CACTTTCACAAGAGAAGGATCATTCCGTGTCACAAGTCCACTGAGCAAGCCGAAAGAGAGGAGATCATG  
 AACAGTTGCAAGATGCCAAGAAAGCTGAGACAGACAAGACAGTTGTTGGTCCATCAGTGGCTCCTGGCA  
 AACTGCTCCATCCCCATCCTCTCCACCTCTCCACTCCGGATGGCACTGCATCTTCAGAGATGAACAA  
 TCCCCATGCTATCCCACGCCGCATGCACCAATTGAACAGCTTGCCTCGTCAAGGCTCTTTCCGGGGATT  
 CCTGCTCTTAGCCAGAAGATGTCACCCTTTAAACGCCAGCTGTCCTACGCATCAATGAGTTGCCTTCCA  
 CTATGCAGAGGAAGACCGATTTCCCAATAAAAAACACAGTGCCCGAGGTGGAAGGAGAGGCCGAGAGCAT  
 CAGCTCCTTGTGTTCCAGATCACCAGTGCCTCAGCACGCCCTCTGAGGACCCCTCTCCTCCGCCCA  
 ATGACCAAAACAGTGCATTGGTGGCACCACAGTCTCCTGTGTTACAAGGACTGAGTGGGTGAGTCTT  
 CTGGTGCCTCTCCAGTCTCTCCAGGCTGGTACAGACGCACTCCCTCTGAAGCTGACCGCTGGTT  
 AGAAGAAGTGTCAAAGAGTGTGCGGGCCAGCAGCCTCAGGTCTCAGCTGCCCTCTGCAGCCAGTTCTC  
 CAGCCGCCTCCGCCCGCCGCAATTGCCCTCCAGCACCTCCTTTCCAAGGACATGCCTTCTCACGTCCC  
 AGCCTGTGCCGTGGGTGTGGTCCACCCCTACAACCAGCCTTTGTCCCTACCCAGTCTACCCTGTGGC  
 CAACGGGATGCCCTACCCAGCCTCTAATGTGCCTGTAGTGGGCATCACCCATCCAGATGGTAGCCAAT  
 GTGTTTGGCACTGCAGGCCACCCTCAGACAACCTCATCCACATCAGTCGCCAAGCCTGGCCAAAGCAGAGA  
 CATTCCCTCAATATGAGACAAGTAGTGTACCACCAGTCCCTTCTTAAGCCTCTGCTCAGCACCTCAA  
 TGTTCTGCAGCTTTCAATGGTGTAGACAATGGTGGGCTAGCCTCAGGAAACAGGCATGCAGAAGTCCCT  
 CCAGGCACCTGCCAGTGGATCCTTTGAAAGCTCAGTGGGCCGCACTAGAAAGCAAGTCCAAGCAGCGTA  
 CAATCCTTCTCTACCAACCCTTTCTCCAGTGACTTACAGAAAACATTTGAAATAGAAGCTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_010949
- Insert Size:** 1815 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\\_010949.2](#), [NP\\_035079.1](#)

**RefSeq Size:** 3235 bp

**RefSeq ORF:** 1815 bp

**Locus ID:** 18222

**UniProt ID:** [Q9QZS3](#)

**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]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2, also known as p66 or PTBL-PRRS) is shorter than isoform 1.