

Product datasheet for **MC202603**

Numbl (NM_010950) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Numbl (NM_010950) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Numbl
Synonyms:	nbl
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC068116 sequence for NM_010950
 CTGGATGTCCCGCAGCGCGGCCAGCGCGGACCCAGGAGACCTGATCAGCATTTGTCCCAGCCCC
 TGTGGGGCCTCGGGGCCCTGAAACCTTCAGGACGGAGTCAGACGGGGCAGGCACCATGAACAAGTTAC
 GGCAGAGTCTGCGGGGAGGAAGCCAGCCTATGTGCTGAGGCATCACGCCACACCAAGTGGCAGGCAGA
 TGAGGATGCGGTGCGCAAAGGCACCTGCAGCTTCCTGTTAGGTACCTGGGCCACGTGGAAGTGGAGGAG
 TCCCGGGGAATGCACGTTTTGTGAAGATGCTGTGAAGAAGCTGAAGGCGATGGGCCGAAGTCCGTGAAGT
 CTGTCCTGTGGGTGTCAGCTGATGGGCTCCGAGTGGTGGATGACAAGACCAAGGACCTGCTGGTAGACCA
 GACCATTGAGAAGGTCTCCTTCTGTGCTCCTGATCGCAACCTGGACAAGGCTTTCTCTACATATGCCGC
 GACGGCACACACGCGCTGGATCTGCCACTGCTTCTGGCCCTCAAGGACTCTGGTGAGAGGCTGAGCC
 ATGCTGTGGGCTGCGCGTTCCGCCCTGCCTGGAGAGGAAGCAGCGACGGGAGAAGGAATGCGGAGTCAC
 CGCCGCTTCGACGCCAGTCGCACCAGCTTTGCCCGTGAAGGCTCCTTCCGCTGTGGGGGGGGGGCGG
 CCTGCGGAGCGGAGGCAGGGGACAAGAAGAAAGCCGAAGCAGCAGCTGCTCCTGCTGTGGCTCCTGGAC
 CTGCCAGCTGGGCACGTTTCTCCGACACCAGCCACCACATCCCCTGGAGAGAAGGGAGAGGGGGGCAC
 CCCAGTGGCTGCAGGCACCACTGCTGCTGCCATTCCCGGCGCCACGCACCTCTGGAGCAGCTGGTTCGC
 CAGGGCTCCTTTGTGGGTTCCCTGCCCTCAGTCAGAAGAACTCACCTTTCAAACGTGAGCTGAGCCTAC
 GGTGAATGAGCTGCCATCAACACTGCAGCGCCGACGGACTTCCAGGTGAAGGGCACAGTGCCTGAGAT
 GGAGCCTCCTGGTACCGGGGACAGCGATGGCATCAATGCTCTGTGCACACAGATCAGCTCGTCTTTCGCC
 AGCGCTGGGGCCCCAGCGTCAGGGCCACCACCTGCCACAACAGGGACTTCTGCCTGGGGTGAAGCCCTCCG
 TACCCGCTGCAGCTGCCTTCCAGCCTGGGCACAAGCGGACACCCTCTGAGGCTGAGCGATGGTTGGAGGA
 AGTGTCCCAGGTGGCTAAGGCCAGCAGCAACAGCAACAGCAGCAGCAACAACAGCAGCAGCAAGCC
 ACCTCCGTGCCACCAATGCCACCATGGCCCCACCCTTCAACCTTTTCTGCCCCAGTGGGGCCCTTTG
 ACACTGCAGCTGCCCAAGTGGCTGTTTTCTGCCGCCACACATATGCAGCCTCCGTTTGTGCCCGCCTA
 CCCAGTCTGGGTTATCCACCAATGCCCGGGTGCCTGTGGTGGGCATCACACCTTACAGATGGTAGCC
 AACGCCTTCTGCTCAGCTGCCAGCTCCAGCCCCAACCTGCCACACTGCTTGGAAAAGCTGGGGCCTTCC
 CCCCACCTGCTGCACCCAGTGCCCTGGGGGCCAGGCCCGTCCGCGCCCCAATGGGGCTCCTGGCCCCC
 AGAGCCAGCGCTGCCCTGCCCTGAGTTGGACCCCTTCGAGGCCAGTGGGCGGCACTAGAAGGCAAA
 CCCGCTGTGGAGAAACCTTCAACCCCTTCTCTGGTGACTTGCAAGACCTTCGAGATTGAACTGTAGC
 CCAAATTGCCCTGCTCCCGCTCCATCAGCCCCAGGTGTACCGCGCTCAGGAGGGGAGGCCAGCCTCTAT
 CCTAGTGTGCTCCCTGAGCTGCGCCCCCAATGCTCCCTTAAGCCCTTCTCTCCACCACCCTCACAA
 ACCACTACAGAACCAATATTGTGATGCCTAGGTTTTGCCAAGATGGAATTCAGGGATGGACCCAGCCTGG
 CTAAGGGAACCATTTCACTGCCGACTTAGGCTGGTGTATGCCCTTCCCCAGCCCAGTCATGGAATGCC
 CTCTGTTCAAGCTACTTCCCTAGTTTCTGTTGTGCCCTTCCACCTTCCAGTGTGGGCAGGGTGGAGGA
 GGGAGGCCACTTAAGCCTGGTCCGTCCTCCTTGTCCCATACACAGCACAAGCTAAGGGCTTCCTC
 TCTGCCACGCTGTGTTCACTGCCAATGCTGTGCTTGGCCCTGGCCCCCTCCCCGATTTCGATTTCGGGGCGT
 GTCTTCCGGAGGGCAAGGTCTCACGGGTGGGGCCGACTGGGGGCCAGGAGAGGGGCGGTGGGAGGG
 ATGAAGACTCTGTTACCTCATGTGCGGTGCCCGTGGGGAGGGGTCCCAGGAGAAGAAGGGGGTGCCT
 GGCGGGTACTTTTCTATCTTTTATTTCCAGATTTTTTTGTATCTAAACTGCAGATTTGTATTATACAA
 GGACAGCCAATAAAGGAAGAATAAATGGTGAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_010950
- 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: [BC068116](#), [AAH68116](#)

RefSeq Size: 2571 bp

RefSeq ORF: 1815 bp

Locus ID: 18223

UniProt ID: [O08919](#)

Cytogenetics: 7 A3

Gene Summary: Plays a role in the process of neurogenesis. Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate. Not required for the proliferation of neural progenitor cells before the onset of embryonic neurogenesis. Also required postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. Negative regulator of NF-kappa-B signaling pathway. The inhibition of NF-kappa-B activation is mediated at least in part, by preventing MAP3K7IP2 to interact with polyubiquitin chains of TRAF6 and RIPK1 and by stimulating the 'Lys-48'-linked polyubiquitination and degradation of TRAF6 in cortical neurons.[UniProtKB/Swiss-Prot Function]