

Product datasheet for **RN204216**

Numbl (NM_001033888) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Numbl (NM_001033888) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Numbl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204216 representing NM_001033888
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATG**TCCCGCAGCGCGGCCAGCGGGACCCAGGAGACCTGATCAGCATTTGCCCCAGCCCCCTGTG**
 GGGCCTCGGGGCCCTGAAACCTT**CAGGACGGAGTCAGACGGGGCGGGACCATGAACAAGTTACGGCA**
 GAGTCTCGCGCGGAGGAAGCCAGCCTATGTGCCTGAGGCGTCACGCCACACCAGTGGCAGGCAGATGAG
 GATGCGGTGCGGAAGGGCACATGCAGCTTCCCCGTTAGGTACCTGGGCCACGTGGAAGTGGAGGAGTCCC
 GGGGGATGCACGTTTGTGAAGACGCGGTGAAGAAGCTGAAGGCGATGGCCGGAAGTCCGTGAAGTCTGT
 CCTGTGGGTGTCGGCTGATGGGCTCCGAGTGGTGGATGACAAGACCAAGGACCTGCTGGTAGACCAGACC
 ATCGAAGAAGTGTCTTCTGTGCTCCTGACCGCAACCTGGACAAGGCATTCTCTACATATGCCGTGATG
 GCACCACAGCCGCTGGATCTGCCACTGTTTCTGGCCCTCAAGGACTCTGGT**GAGAGGCTGAGCCACGC**
 TGTGGGCTGCGCGTTCGCTGCCTGCCTGGAGAGGAAGCAGCGACGGGAGAAGGAGTGC**GGAGTACCGCC**
 GCCTTCGATGCCAGTCCGACCAGCTTTCGCCCGGAGGGCTCCTTCGCCTGTCCGGTGGCGGGCGGCCTG
 CGGAGCGCGAGGCTGGGGACAAGAAGAAAGAGCAGCAGCTGCTCCTGCTGTGGCTCCTGGCCCTGCCCA
 GCCTGGGCACGTTTCTCCGACACCGGCCACTACATCCCCTGGTGAGAAGGGAGAGGGCGGGTACCCAGTG
 GCTGCAGGCACCACTGCTGCTGCCATTCCCCGGCGCCATGCACCTCTGGAACAGCTGGTTCGCCAGGGCT
 CCTTTCGTGGGTTTCTGCCCTCAGCCAGAAGAACTCACCTTTCAAACGT**CAGCTGAGTCTACGGTTGAA**
 TGAGCTGCCATCCACACTGCAGCGCCGTACAGACTTCCAGGTGAAGGGCACAGTGCCTGAGATGGAGCCT
 CCTGGTACTGGTGACAGCGACGGCATCAGTGCCTGTGTACACAAATCAGCTCGTCTTTCGCCAGTGCCG
 GAGCACCAGTCCAGGGCCACCGTCTGCCACCACAGGGACGTCTGCCTGGGGT**GAGCCCTGTACCTGC**
 TGCAACTGCCTTCCAGCCCGGGACAAGCGGACACCGTCCGAGGCTGAGCGATGGTTGGAGGAAGTGTCC
 CAGGTGGCTAAGGCCAACAACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
 AGCAGCAGCAGCAGCAACAACAACAGCAACAAGCCACCTCCGTGCCACCAATGCCACCATGGCCCCAC
 CCTTCAACCTTCTCCGCCCCAGTGGGGCCCTTTGACACTGCAGCTGCCAGGTGGCTGTGTTCTCTGCCA
 CCCACACACATGCAGCCTCCATTTGTGCCCGCCTACCCAGGCCTGGGTTACCCACCCATGCCCGGGTGC
 CAGTGGTGGGCATCACACCTTACAGATGGTGGCCAACGCCTTCTGCTCAGCTGCTCAGCTCCAGCCCCA
 ACCTGCCACACTGCTTGGAAAAGCCGGGCCTTCCCCCACCTACCGCACCCAGTCCCCCTGGGGGCCAG
 GCCCGTCCAGCCCTAATGGGGTCCCTGGCCCCAGAGCCAGCGCTGCCCTGCCCTGAGTTGGACC
 CCTTTGAGGCCAGTGGGCAGCTTTAGAAGGCAAGCCCGCGTGGAGAAACCTCCAACCCCTTCTCTGG
 TGACTTGCAAGACCTTCGAGATTGAACT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033888
- Insert Size:** 1854 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:	<ol style="list-style-type: none">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:	<u>NM_001033888.1, NP_001029060.1</u>
RefSeq Size:	1854 bp
RefSeq ORF:	1854 bp
Locus ID:	292732
Cytogenetics:	1q21
Gene Summary:	<p>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 (By similarity).</p> <p>[UniProtKB/Swiss-Prot Function]</p>