

## Product datasheet for **MC228559**

### **Numb (NM\_001272055) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Numb (NM_001272055) 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:** >MC228559 representing NM\_001272055  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACAAACTACGGCAAAGCTTCAGGAGAAAGAACGCTTTATGTCCCAGAGGCCAGCCGTCCACATC  
 AGTGGCAGACAGATGAAGAAGGAGTCCGCACTGGAAAGTGTAGCTTCCCAGTTAAGTACCTCGGCCACGT  
 AGAAGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTAAGAGATTGAAAGCTACGGGAAAG  
 AAAGCAGTGAAGGCCGTTCTGTGGGTGTGAGCGGATGGGCTCAGAGTTGTGGACGAGAAAATAAGGACC  
 TCATAGTTGACCAGACAATAGAAAAAGTTTCTTCTGTGCCCCAGATAGGAACTTTGACAGAGCCTTTTC  
 TTACATATGTCGTGATGGCACCCTCGGCGATGGATCTGTCTATTGTTTCATGGCTGTCAAAGACACGGGG  
 GAAAGACTGAGCCACGCCGTGGGCTGTGCTTTTGCAGCCTGTTTAGAGCGTAAACAGAAGCGGGAGAAGG  
 AGTGTGGCGTCACTGCTACTTTTGTAGCCAGTAGAACCTTTTACAAGAGAAGGATCATTCCGTGTAC  
 AACTGCCACTGAGCAAGCCGAAAGAGAGGAGATCATGAAACAGTTGCAAGATGCCAAGAAAGCTGAGACA  
 GACAAGACAGTTGTTGGTCCATCAGTGGCTCCTGGCAACTGCTCCATCCCCATCCTCTCCACCTCTC  
 CCACTCCGGATGGCACTGCATCTTCAGAGATGAACAATCCCCATGCTATCCCACGCCGGCATGCACCAAT  
 TGAACAGCTTGTCTCGTCAAGGCTCTTCCGGGGATTTCTGCTCTTAGCCAGAAGATGTCACCCTTAA  
 CGCCAGCTGTCCCTACGCATCAATGAGTTGCCCTCCACTATGCAGAGGAAGACCGATTTCCCAATAAAAA  
 ACACAGTGCCCGAGGTGGAAGGAGAGGCCGAGAGCATCAGCTCCTTGTGTTCCAGATCACCAGTGCCTT  
 CAGCACGCCCTCTGAGGACCCCTTCTCCTCCGCCCAATGACCAACCAGTGACATTGGTGGCACCACAG  
 TCTCCTGTGTTACAAGCTAATGGCACTGACTCAGCCTCCCATGTGCTTACTGCTAAGCCAGCCAATACTG  
 CTCTAGCACAGTAGCAATGCCGTCCGTGAAACCAACCCTGGGCCATGTCCTGATGTGCTAACAA  
 GGAAATTGCAGCCATACATCCGGGGACTGAGTGGGGTCACTCTTCTGGTGTGCCTCTCCAGGTCTCTTC  
 CAGGCTGGTACAGACGCACTCCCTCTGAAGCTGACCGCTGGTTAGAAGAAGTGTCAAAGAGTGTGCGGG  
 CCCAGCAGCCTCAGGTCTCAGCTGCCCTCTGCAGCCAGTTCTCCAGCCGCTCCGCCCGCCGCTTGC  
 CCCTCCAGCACCTCCTTCCAAGGACATGCCTTCTCAGTCCCAGCCTGTGCCGTGGGTGTGGTCCCA  
 CCCCTACAACCAGCCTTTGTCCCTACCCAGTCTACCCTGTGGCCAACGGGATGCCCTACCAGCCTCTA  
 ATGTGCCTGTAGTGGGCATACCCCATCCAGATGGTAGCCAATGTGTTGGCACTGCAGGCCACCTCA  
 GACAACATCCACATCAGTCGCAAGCCTGGCCAAGCAGCAGACATTCCCTCAATATGAGACAAGTAGT  
 GCTACCACAGTCCCTTCTTAAGCCTCCTGCTCAGCACCTCAATGGTTCTGCAGCTTTCAATGGTGTAG  
 ACAATGGTGGGCTAGCCTCAGGAAACAGGCATGCAGAAGTCCCTCCAGGCACCTGCCAGTGGATCCTTT  
 CGAAGCTCAGTGGGCCGCACTAGAAAGCAAGTCCAAGCAGCGTACAAATCCTTCTCTACCAACCTTTT  
 TCCAGTGACTTACAGAAAACATTTGAAATAGAACTT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001272055

**Insert Size:** 1929 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001272055.1</u> , <u>NP_001258984.1</u>
<b>RefSeq Size:</b>	3349 bp
<b>RefSeq ORF:</b>	1929 bp
<b>Locus ID:</b>	18222
<b>UniProt ID:</b>	<u>Q9QZS3</u>
<b>Cytogenetics:</b>	12 D1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (3, also known as p71 or PTBS-PRRL) is shorter than isoform 1.</p>