

Product datasheet for **MC220066**

Numb (NM_001136075) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Numb (NM_001136075) 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: >MC220066 representing NM_001136075
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACAAACTACGGCAAAGCTTCAGGAGAAAGAAAGACGTTTATGTCCCAGAGGCCAGCCGTCCACATC
AGTGGCAGACAGATGAAGAAGGAGTCCGCACTGGAAAGTGTAGCTTCCCAGTTAAGTACCTCGGCCACGT
AGAAGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTAAGAGATTGAAAGCTGAAAGGAAG
TTCTTCAAAGGCTTCTTTGGAAAAACGGGAAAGAAAGCAGTGAAGGCCGTTCTGTGGGTGTGAGCGGATG
GGCTCAGAGTTGTGGACGAGAAACTAAGGACCTCATAGTTGACCAGACAATAGAAAAAGTTTCTTCTG
TGCCCCAGATAGGAACCTTGACAGAGCCTTTTCTACATATGTCGTGATGGCACCCTCGGCGATGGATC
TGTCATTGTTTCATGGCTGTCAAAGACACGGGGAAAGACTGAGCCACGCCGTGGGCTGTGCTTTTGACG
CCTGTTTAGAGCGTAAACAGAAGCGGGAGAAGGAGTGTGGCGTCACTGCTACTTTTGATGCCAGTAGAAC
CACTTTCACAAGAGAAGGATCATTCCGTGTCACAACCTGCCACTGAGCAAGCCGAAAGAGAGGAGATCATG
AAACAGTTGCAAGATGCCAAGAAAGCTGAGACAGACAAGACAGTTGTTGGTCCATCAGTGGCTCCTGGCA
ACACTGCTCCATCCCCATCCTCTCCACCTCTCCCACTCCGGATGGCACTGCATCTTCAGAGATGAACAA
TCCCCATGCTATCCCACGCCGCATGCACCAATTGAACAGCTTGCTCGTCAAGGCTCTTTCCGGGGATTT
CCTGCTCTTAGCCAGAAGATGTCACCCTTTAAACGCCAGCTGTCCCTACGCATCAATGAGTTGCCTTCCA
CTATGCAGAGGAAGACCGATTTCCCAATAAAAAACACAGTGCCCGAGGTGGAAGGAGAGGCCGAGAGCAT
CAGCTCCTTGTTCCAGATCACCAGTGCCCTCAGCACGCCCTCTGAGGACCCCTCTCCTCCGCCCA
ATGACCAAACCAAGTACATTGGTGGCACCACAGTCTCCTGTGTTACAAGCTAATGGCACTGACTCAGCCT
CCCCTGTGCTTACTGCTAAGCCAGCCAATACTGCTCTAGCACACGTAGCAATGCCTGTCCGTGAAACCA
CCCTGGGCCCATGTCCCTGATGCTGCTAACAAGGAAATTCAGCCATACATCCGGGGACTGAGTGGGGT
CAGTCTTCTGGTGTGCCTCTCCAGGTCTCTCCAGGCTGGTACAGACGCACTCCCTCTGAAGCTGACC
GCTGGTTAGAAGAAGTGTCAAAGAGTGTGCGGGCCAGCAGCCTCAGGTCTCAGCTGCCCTCTGCAGCC
AGTTCTCCAGCCGCTCCGCCGCCGCAATTGCCCTCCAGCACCTCCTTTCCAAGGACATGCCTTCTC
ACGTCCCAGCCTGTGCCCGTGGGTGTGGTCCCACCCCTACAACCAGCCTTTGTCCCTACCCAGTCTTACC
CTGTGGCCAACGGGATGCCCTACCCAGCCTCTAATGTGCCTGTAGTGGGCATACCCCATCCCAGATGGT
AGCCAATGTGTTGGCACTGCAGGCCACCCTCAGACAACCTCATCCACATCAGTCGCCAAGCCTGGCCAAG
CAGCAGACATTCCTCAATATGAGACAAGTAGTGTACCACCAGTCCCTCTTTAAGCCTCTGCTCAGC
ACCTCAATGGTTCTGCAGCTTCAATGGTGTAGACAATGGTGGGCTAGCCTCAGGAAACAGGCATGCAGA
AGTCCCTCCAGGCACCTGCCAGTGGATCCTTTGAAAGCTCAGTGGGCCGCACTAGAAAGCAAGTCCAAG
CAGCGTACAAATCCTTCTCCTACCAACCCTTTCTCCAGTGACTTACAGAAAACATTTGAAATAGAAGTTT
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001136075
Insert Size: 1962 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001136075.2](#), [NP_001129547.1](#)

RefSeq Size: 3382 bp

RefSeq ORF: 1962 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 (1) encodes the longest isoform (1, also known as p72 or PTBL-PRRL).