

Product datasheet for **MR209237**

Numb (BC033459) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Numb (BC033459) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Numb
Synonyms:	mnb, m-numb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209237 representing BC033459
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAACAAACTACGGCAAAGCTTCAGGAGAAAGAACGCTTTATGTCCCAGAGGCCAGCCGTCCACATC
 AGTGGCAGACAGATGAAGAAGGAGTCCGCACTGGAAAGTGTAGCTTCCCAGTTAAGTACCTCGGCCACGT
 AGAAGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTAAGAGATTGAAAGCTACGGGAAAG
 AAAGCAGTGAAGGCCGTTCTGTGGGTGTCAGCGGATGGGCTCAGAGTTGTGGACGAGAAAATAAGGACC
 TCATAGTTGACCAGACAATAGAAAAAGTTTCTTCTGTGCCCCAGATAGGAACTTTGACAGAGCCTTTTC
 TTACATATGTCGCGATGGCACCCTCGGCGATGGATCTGTCTATTGTTTCATGGCTGTCAAAGACACGGGG
 GAAAGACTGAGCCAGCCGTGGGCTGTGCTTTTGCAGCCTGTTTAGAGCGTAAACAGAAGCGGGAGAAGG
 AGTGTGGCGTCACTGCTACTTTTGTAGCCAGTAGAACCCTTTCACAAGAGAAGGATCATTCCGTGTAC
 AACTGCCACTGAGCAAGCCGAAAGAGAGGAGATCATGAAACAGTTGCAAGATGCCAAGAAAGCTGAGACA
 GACAAGACAGCTGTTGGTCCATCAGTGGCTCCTGGCAACTGCTCCATCCCCATCCTCTCCACCTCTC
 CCACTCCGGATGGCACTGCATCTTCAGAGATGAACAATCCCCATGCTATCCCACGCCGGCATGCACCAAT
 TGAACAGCTTGTCTCGTCAAGGCTCTTCCGGGATTTCTGCTCTTAGCCAGAAGATGTCACCCTTAA
 CGCCAGCTGTCCCTCCGCATCAATGAGTTGCCCTCCACTATGCAGAGGAAGACTGATTTCCCAATAAAAA
 ACACAGTGCCCGAGGTGGAAGGAGAGGCCGAGAGCATCAGCTCCTTGTGTTCCAGATCACCAGTGCCTT
 CAGCACGCCCTCTGAGGACCCCTTCTCCTCCGCCCAATGACCAACCAGTGACATTGGTGGCACCACAG
 TCTCCTGTGTTACAAGGGACTGAGTGGGTGCTCCTTCTGGTGTGCTCCTCCAGGTCTCTTCCAGGCTG
 GTCACAGACGCACCTCCCTCTGAAGCTGACCGCTGGTTAGAAGAAGTGTCAAAGAGTGTGCGGGCCAGCA
 GCCTCAGGTCTCAGCTGCCCTCTGCAGCCAGTTCTCCAGCCGCTCCGCCCGCCGCAATTGCCCTCCA
 GCACCTCCTTTCAAGGACATGCCTTCTCACGTCCCAGCCTGTGCCCGTGGGTGTGTTCCACCCCTAC
 AACCCAGCTTGTCCCTACCCAGTCTACCCTGTGGCCAACGGGATGCCCTACCCAGCCTTAATGTGCC
 TGTAGTGGGCATCACCCATCCCAGATGGTAGCCAATGTGTTGGCACTGCAGGCCACCCTCAGACCCT
 CATCCACATCAGTCGCCAAGCCTGGCCAAGCAGCAGACATTCCCTCAATATGAGACAAGTAGTGCTACCA
 CCAGTCCCTTCTTAAGCCTCCTGCTCAGCACCTCAATGGTCTGCAGCTTCAATGGTGTAGACAAATGG
 TGGGCTAGCCTCAGAAACAGGCATGCAGAAGTCCCTCCAGGCACCTGCCAGTGGATCCTTTGCAAGCT
 CAGTGGGCGCACTAGAAAGCAAGTCCAAGCAGCGTACAATCCTTCTCCTACCAACCCTTCTCCAGT
 ACTTACAGAAAACGTTTGAATAGAACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209237 representing BC033459
 Red=Cloning site Green=Tags(s)

MNKLRSFRRKDVVYVPEASRPHQWQTDDEGVRTGKCSFPVKYLGHVEVDES RGMHICEDAVKRLKATGK
 KAVKAVLWVSADGLRVVDEKTKDLIVDQTIKVSFCAPDRNFDRAFSYICRDGTRRWICHCFMAYKDTG
 ERLSHAVGCAFAACLERKQKREKEGVTATFDASRTTFTREGSFRVTTATEQAEREEIMKQLQDAKKAET
 DKTAVGSPVAPGNTAPSPSSPTSPDPGTASSEMNPHAIPIRRHAPIEQLARQGSFRGFPALSQKMSPFK
 RQLSLRINELPSTMQRKTDPIKNTVPEVEGEAESISSLCSQITSAFSTPSEDPFSSAPMTKPVTLVAPQ
 SPVLQGTWQSSGAASPLFQAGHRRTPSEADRWLEEVSKSVRAQQPQVSAAPLQPVLPVLPVLPVLPVLPV
 APPFQGHAFLLTSQPVVGVVPPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPVLPV
 HPHQSPSLAKQQTFFQYETSSATTPFFKPPAQHLNGSAAFNGVDNGLASGNRHAIEVPPGTCVDPVPEA
 QWAALESKSKQRTNPSPTNPFSSDLQKTFEIEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC033459

ORF Size: 1779 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC033459.1](#)

RefSeq Size: 3495 bp

RefSeq ORF: 1781 bp

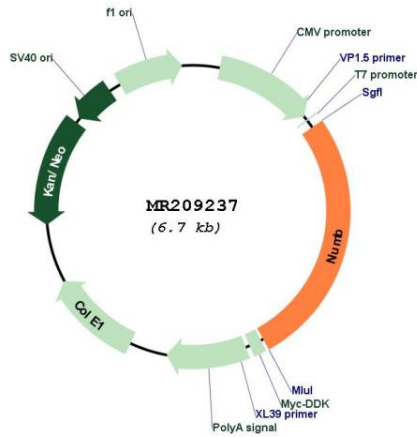
Locus ID: 18222

Cytogenetics: 12 D1

MW: 128.2 kDa

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]

Product images:



Circular map for MR209237