

Product datasheet for **RR207545**

Numb (NM_133287) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Numb (NM_133287) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Numb
Synonyms:	MGC188364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207545 representing NM_133287
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAACTACGGCAGAGTTTCAGGAGAAAGAAAGATGTTTACGTCCCAGAGGCCAGCCGTCCACATC
 AGTGGCAGACAGATGAAGAGGGAGTCCGCACTGGAAAGTGCAGCTTCCCAGTTAAGTACCTTGGCCACGT
 AGAGGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTCAAAAGATTGAAAGCTACGGGAAAG
 AAAGCAGTGAAGGCCGTTCTGTGGGTATCAGCAGATGGACTCAGAGTTGTGGATGAAAAACTAAGGACC
 TCATAGTTGACCAGACAATAGAAAAAGTTTCTTTCTGCGCCCCGATAGGAACTTTGACAGAGCCTTTTC
 TTACATATGTCGAGATGGCACCCTCGGCGATGGATCTGTCTATTGCTTCATGGCTGTCAAAGACACGGGG
 GAAAGACTGAGCCATGCCGTGGGCTGTGCTTTTGCAGCCTGTTTAGAGCGTAAACAGAAGCGGGAAAGG
 AGTGTGGAGTCACTGCTACTTTTCGATGCCAGTAGAACCCTTTTACAAGAGAAGGATCATTCCGTGTAC
 AACTGCCACAGAACAAGCTGAAAGAGAGGAGATCATGAAACAGTTGCAAGATGCCAAGAAAGCTGAGACA
 GATAAGACCGTTGGTCCATCAGTGGCTCCTGGCAACAGTCTCCATCGCCGTCTCTCCACCTCCCCAA
 CTCTGGATCCCCTGCTTCTTTAGAGATGAAACAATCCTCATGCTATCCCACGCCGGCATGCACCAATTGA
 ACAGCTTGCTCGCCAAGGCTCTTTCCGGGATTTCTGCTCTTAGCCAGAAGATGTACCCTTTAAACGC
 CAGCTGTCCCTACGCATCAATGAGCTGCCTTCCACTATGCAGAGGAAGACTGATTTCCCAATAAAAAACA
 CAGTGCCTGAGGTGGAAGGAGAGGCAGAAAGCATCAGCTCCCTGTGCTCCAGATCACCAGTGCCTTCAG
 CACACCCTGTGAGGACCCCTTCTCTCTGCCCAATGACCAAACAGTGCATTAGTGGCACCACAGTCT
 CCTGTGTTACAAGGACTGAGTGGGTCAGTCTTCTGGTGTGCTCCTCCAGTCTCTTCCAGCTGGTC
 ACAGAGCACTCCCTCTGAGGCTGACCGTTGGTTAGAAGAAGTATCAAAAAGTGTGCGGGCCAGCGCC
 GCAGGCCCTCAGCCGCCCTCTGCAGCCAGTCTGCAGCCTCCTCCGCCCGCTGCCATTGCCCTCCAGCA
 CCTCCTTTCCAAGGACATGCATTCTCACTTCTCAGCCTGTGCCAGTGGGTGTGGTCCCACCCCTACAAC
 CAGCCTTTGTCTCTACCCAGTCTACCCTGTGGCCAATGGGATGCCCTATCCAGCCTCTAATGTGCTGT
 AGTGGGCATACCCCATCCCAGATGGTAGCCAATGTGTTTGGCACTGCAGGCCATCCTCAGGCCACTCAT
 CCACATCAGTCCCAAGCCTGGCCAAGCAGCAGACATTCCTCAATATGAGACAAGTAGTGTACCACCA
 GTCCCTTCTTTAAGCCTTCTGCTCAGCACCTCAATGGTCTGCAGCTTTCATGGTGTAGACAATAGCGG
 GCTAGTCTCAGGAAACAGACCTGCACAAGTCCCTCCAGGCACCTGCCAGTGGATCCTTTTGGAGCCAG
 TGGGCTGCACTAGAAAGCAAGCCCAAGCAGCGCACCAACCCTCTCTACCAACCCTTTTCCAGTGATG
 CACAGAAGGCATTTGAAATAGAGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207545 representing NM_133287
 Red=Cloning site Green=Tags(s)

MNKLRSFRRKDVVYVPEASRPHQWQTDDEEVRTGKCSFPVKYLGHVEVDES RGMHICEDAVKRLKATGK
 KAVKAVLWVSADGLRVVDEKTKDLIVDQTIKVSFCAPDRNFDRAFSYICRDGTTTRRWICHCFMAYKDTG
 ERLSHAVGCAFAACLERKQKREKEGVTATFDASRTTFTREGSFRVTTATEQAEREEIMKQLQDAKKAET
 DKTVGSPVAPGNSAPSPSSPTPTLDPTASLEMNNPHAIIPRRHAPIEQLARQGSFRGFPALSQKMSPFKR
 QLSLRINELPSTMQRKTDFFIKNTVPEVEGEAESISSLCSQITSASFSTPCEDPFSSAPMTKPVTLVAPQS
 PVLQGTWQSSGAASPLGFQAGHRRTPSEADRWLEEVSKSVRAQQPQASAAPLQPVLPVPPPAIAPPA
 PPFQGHAFLLTSQPVVGVVPLQPAFVSTQSYPVANGMPYPASNVPVVGITPSQMVANVFTAGHPQATH
 PHQSPSLAKQTFPQYETSSATTSPFFKPSAQHLNGSAAFNGVDNSGLVSGNRPAQVPPGTCPVDPFEAQ
 WAALESKPKQRTNPSPTNPFSSDAQKAFEIEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_133287

ORF Size: 1776 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](#)

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

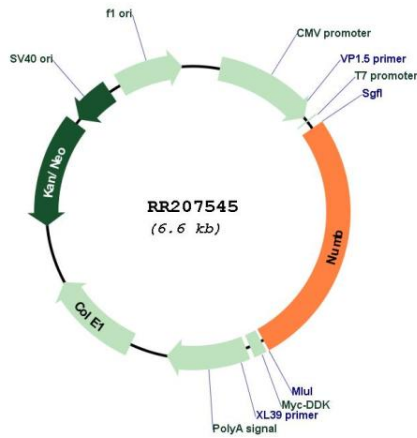
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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: [NM_133287.1](#), [NP_579821.1](#)

RefSeq Size: 1779 bp
 RefSeq ORF: 1779 bp
 Locus ID: 29419
 Cytogenetics: 6q24
 MW: 64.3 kDa
 Gene Summary: putative inhibitor of Notch signaling that is involved in neural differentiation and maturation [RGD, Feb 2006]

Product images:



Circular map for RR207545