

Product datasheet for **MR225927**

Numb (NM_010949) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Numb (NM_010949) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Numb
Synonyms:	m-num; Nb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225927 representing NM_010949
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAACAAACTACGGCAAAGCTTCAGGAGAAAGAACGTTTATGTCCCAGAGGCCAGCCGTCCACATC
 AGTGGCAGACAGATGAAGAAGGAGTCCGCACTGGAAAGTGTAGCTTCCCAGTTAAGTACCTCGGCCACGT
 AGAAGTTGATGAGTCAAGAGGAATGCACATCTGTGAAGATGCCGTAAAGAGATTGAAAGCTGAAAGGAAG
 TTCTTCAAAGGCTTCTTTGGAAAAACGGGAAAGAAAGCAGTGAAGGCCGTTCTGTGGGTGTGAGCGGATG
 GGCTCAGAGTTGTGGACGAGAAACTAAGGACCTCATAGTTGACCAGACAATAGAAAAAGTTTCTTCTG
 TGCCCCAGATAGGAACCTTGACAGAGCCTTTTCTACATATGTCGTGATGGCACCCTCGGCGATGGATC
 TGTCAATTGTTTCAAGGATGTCGCAAGACACGGGGGAAAGACTGAGCCACGCCGTGGGCTGTGCTTTTGCAG
 CCTGTTTAGAGCGTAACAGAAGCGGGGAGAGGAGTGTGGCGTCACTGCTACTTTTGTGCCAGTAGAAC
 CACTTTCACAAGAGAAGGATCATTCCGTGTCACAACCTGCCACTGAGCAAGCCGAAAGAGAGGAGATCATG
 AAACAGTTGCAAGATGCCAAGAAAGCTGAGACAGACAAGACAGTTGTTGGTCCATCAGTGGCTCCTGGCA
 ACACTGCTCCATCCCCATCCTCTCCACCTCTCCCACTCCGGATGGCACTGCATCTTCAGAGATGAACAA
 TCCCCATGCTATCCCACGCCGCATGCACCAATTGAACAGCTTGCTCGTCAAGGCTCTTTCGGGGATT
 CCTGCTCTTAGCCAGAAGATGTCACCCTTTAAACGCCAGTGTCCCTACGCATCAATGAGTTGCCTTCCA
 CTATGCAGAGGAAGACCGATTTCCCAATAAAAAACACAGTGCCCGAGGTGGAAGGAGAGGCCGAGAGCAT
 CAGCTCCTTGTGTCCAGATCACCAGTGCCTCAGCAGCCCTCTGAGGACCCCTTCTCCTCCGCCCA
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 CATTCCCTCAATATGAGACAAGTAGTGTACCACCAGTCCCTTCTTAAGCCTCTGCTCAGCACCTCAA
 TGTTCTGCAGCTTTCAATGGTGTAGACAATGGTGGGCTAGCCTCAGGAAACAGGCATGCAGAAGTCCCT
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 CAATCCTTCTCTACCAACCCTTCTCCAGTGACTTACAGAAAACATTTGAAATAGAATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225927 representing NM_010949
 Red=Cloning site Green=Tags(s)

MNKLRSFRRKDVVPEASRPHQWQDEEGVRTGKCSFPVKYLGHVEVDESRGMHICEDAVKRLKAERK
 FFKGFFGKTGKKAVKAVLWVSADGLRVVDEKTKDLIVDQTIIEKVSFCAPDRNFDRAFSYICRDGTRRWI
 CHCFMAVKDTGERL SHAVGCAFAACLERKQKREKECGVTATFDASRTTFTREGSFRVTTATEQAEREEIM
 KQLQDAKKAETDKTVVGPSPVAPGNTAPSPSSPTSPDPGTASSEMNPHAIIPRRHAPIEQLARQGSFRGF
 PALSQKMSPFKRQLSLRINELPSTMQRKTDFFPIKNTVPEVEGEAESISSLCSQITSAFSTPSEDPFSSAP
 MTKPVTLVAPQSPVLQGTWQSSGAASPLFQAGHRRTPSEADRWLEEVSKSVRAQQPQVSAAPLQPV
 QPPPPAAIAPPAPPFQGHAFLLSQVPVGVVPPLPAPAFVPTQSYPVANGMPYPASNVPVVGITPSQMVAN
 VFGTAGHPQTTHPHQSPSLAKQQTFFQYETSSATTSPPFFKPPAQLHNGSAFNGVDNGLASGNRHAIEVP
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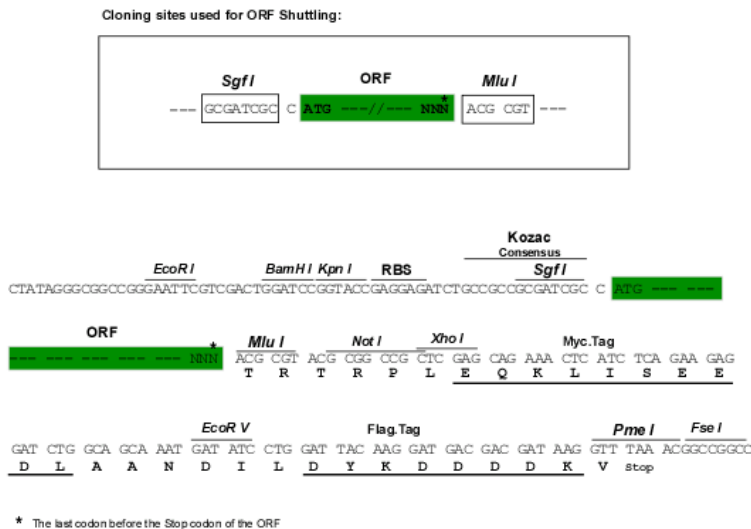
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1460_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010949

ORF Size: 1812 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: [NM_010949.2](#), [NP_035079.1](#)

RefSeq Size: 1815 bp

RefSeq ORF: 1815 bp

Locus ID: 18222

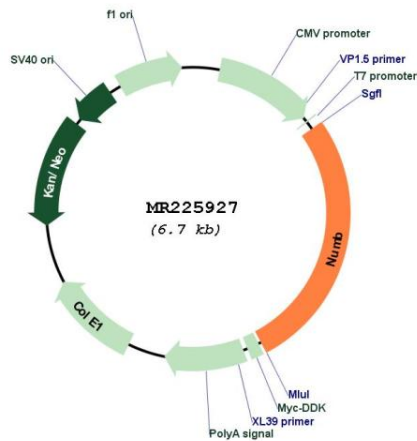
UniProt ID: Q9QZS3

Cytogenetics: 12 D1

MW: 66.2 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 MR225927