

Product datasheet for **RG221018**

NUMB (NM_001005744) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUMB (NM_001005744) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUMB
Synonyms:	C14orf41; c14_5527; S171
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221018 representing NM_001005744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACAAATTACGGCAAAGTTTTAGGAGAAAGAAGGATGTTTATGTTCCAGAGGCCAGTCTCCACATC
 AGTGGCAGACAGATGAAGAAGGCGTTCGCACCGGAAAATGTAGCTTCCCGTTAAGTACCTTGCCATGT
 AGAAGTTGATGAATCAAGAGGAATGCACATCTGTGAAGATGCTGTAAAAAGATTGAAAGCTGAAAGGAAG
 TTCTTCAAAGGCTTCTTTGGAAAACTGAAAAGAAAGCAGTTAAAGCAGTTCTGTGGGTCTCAGCAGATG
 GACTCAGAGTTGTGGATGAAAAACTAAGGACCTCATAGTTGACCAGACGATAGAGAAAGTTTCTTCTG
 TGCCCCAGACAGGAACCTTGTAGAGCCTTTTCTACATATGCCGTGATGGCACCCTCGTCGCTGGATC
 TGCTACTGCTTTCATGGCTGTCAAGGACACAGGTGAAAGGTTGAGCCATGCAGTAGGCTGTGCTTTTGCAG
 CCTGTTTAGAGCGCAAGCAGAAGCGGGAGAAGGAATGTGGAGTACTGCTACTTTTGTAGTCTAGTCGGAC
 CACTTTTACAAGAGAAGGATCATTCCGTGTCAACAAGCCACTGAACAAGCAGAAAGAGAGGAGATCATG
 AAACAAATGCAAGATGCCAAGAAAGCTGAAACAGATAAGATAGTCGTTGTTTCATCAGTTGCCCTGGCA
 AACTGCCCATCCCCATCCTCTCCACCTCTCCTACTTCTGATGCCACGACCTCTCTGGAGATGAACAA
 TCCTCATGCCATCCCACGCCGATGCTCCAATTGAACAGCTTGTCTGCCAAGGCTCTTCCGAGGTTTT
 CCTGCTCTTAGCCAGAAGATGTCACCCTTTAAACGCCAATATCCCTACGCATCAATGAGTTGCCTTCCA
 CTATGCAGAGGAAGACTGATTTCCCATTAATAATGCAGTGCCAGAAGTAGAAGGGGAGGCAGAGAGCAT
 CAGCTCCCTGTGCTCACAGATCACCAATGCCTTACGACACCTGAGGACCCCTTCTCATCTGCTCCGATG
 ACCAAACCAGTGACAGTGGTGGCACCACAATCTCTACCTTCAAGGGACCGAGTGGGGTCAATCTTCTG
 GTGCTCCCTCTCAGGTCTCTTCCAGGCGGTATAGAGCTACTCCCTCTGAGGCCGAGTGGTTAGTGA
 AGAGGTGCTAAGAGCGTCCGGGCTCAGCAGCCCCAGGCTCAGCTGCTCCTCTGCAGCCAGTTCTCCAG
 CCTCTCCACCCACTGCCATCTCCAGCCAGCATCACCTTTCAAGGGAATGCATTCTCACCTCTCAGC
 CTGTGCCAGTGGGTGTGGTCCCAGCCCTGCAACCAGCCTTTGTCCCTGCCAGTCTATCTGTGGCCAA
 TGGAAATGCCCTATCCAGCCCTAATGTGCTGTGGTGGGCATCACTCCCTCCCAGATGGTGGCCAAACGTA
 TTTGGCACTGCAGGCCACCCTCAGGCTGCCATCCCCATCAGTCAACCAGCCTGGTCAAGCAGCAGACAT
 TCCCTCACTACGAGGCAAGCAGTGTACCACCAGTCCCTCTTTAAGCCTCCTGCTCAGCACCTCAACGG
 TTCTGCAGCTTTCAATGGTGTAGATGATGGCAGGTTGGCCTCAGCAGACAGGCATACAGAGGTTCTTACA
 GGCACCTGCCAGTGGATCCTTTTGAAGCCAGTGGGCTGCATTAGAAAATAAGTCCAAGCAGCGTACTA
 ATCCCTCCCTACCAACCCTTTCTCCAGTGACTTACAGAAGACGTTTGAATTGAACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221018 representing NM_001005744
 Red=Cloning site Green=Tags(s)

MNKLRSFRRKDVVYVPEASRPHQWQTDDEGVRTGKCSFPVKYLGHVEVDES RGMHICEDAVKRLKAERK
 FFKGFFGKTGKKAVKAVLWVSADGLRVVDEKTKDLIVDQTIKVSFCAPDRNFDRAFSYICRDGTTRRWI
 CHCFMAVKDTGERL SHAVGCAFAA CLERKQKREKECGVTATFDASRTTFTREGSFRVTTATEQAEREIIM
 KQMQDAKKAETDKIVVGSSVAPGNTAPSPSSPTSPTSDATTSLEMNPHAI PRRHAPIEQ LARQGSFRGF
 PALSQMSPFKRQLSLRINELPSTMQRKDFPIKNAVPEVEGEAESISSLCSQITNAFSTPEDPFSSAPM
 TKPVTVVAPQSPTFQGTWEGQSSGAASPLFQAGHRRTPSEADRWLEEVSKSVRAQQPQASAAPLPVLQ
 PPPPTAISQPASPFQGN AFLTSQPVVGVVPALQPAFVPAQSYVPANGMPYPAPNVVVGITPSQMVANV
 FTAGHPQAAHPHQSPSLVRQQTFFHYEASSATSPFFKPPAQHLNGSAAFNGVDDGRLASADRHTVEPT
 GTCVPDPFEAQWAALENKSKQRTNPSPNPFSSDLQKTFEIEL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001005744

ORF Size: 1809 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_001005744.1](#), [NP_001005744.1](#)

RefSeq Size: 3503 bp

RefSeq ORF: 1812 bp

Locus ID: 8650

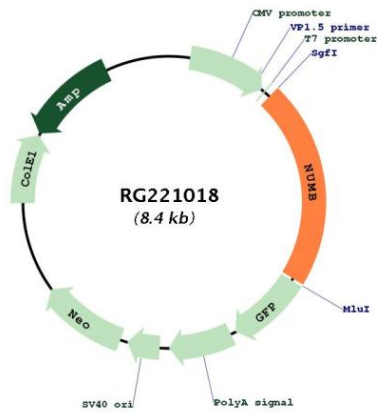
UniProt ID: [P49757](#)

Cytogenetics: 14q24.2-q24.3

Protein Pathways: Notch signaling pathway

Gene Summary: The protein encoded by this gene plays a role in the determination of cell fates during development. The encoded protein, whose degradation is induced in a proteasome-dependent manner by MDM2, is a membrane-bound protein that has been shown to associate with EPS15, LNX1, and NOTCH1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG221018