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Product datasheet for SC117802

NUMB (NM_003744) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUMB (NM_003744) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUMB
Synonyms:	C14orf41; c14_5527; S171
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_003744, the custom clone sequence may differ by one or more nucleotides

ATGAACAAATTACGGCAAAGTTTTAGGAGAAAGAAGGATGTTTATGTTCCAGAGGCCAGTCGTCCACATC
AGTGGCAGACAGATGAAGAAGGCGTTCGCACCGGAAAATGTAGCTTCCCGGTTAAGTACCTTGGCCATGT
AGAAGTTGATGAATCAAGAGGAATGCACATCTGTGAAGATGCTGTAAAAAGATTGAAAGCTACTGGAAAG
AAAGCAGTTAAAGCAGTTCTGTGGGTCTCAGCAGATGGACTCAGAGTTGTGGATGAAAAAACTAAGGACC
TCATAGTTGACCAGACGATAGAGAAAGTTTCTTTCTGTGCCCCAGACAGGAACTTTGATAGAGCCTTTTC
TTACATATGCCGTGATGGCACCACTCGTCGCTGGATCTGTCACTGCTTCATGGCTGTCAAGGACACAGGT
GAAAGGTTGAGCCATGCAGTAGGCTGTGCTTTTGCAGCCTGTTTAGAGCGCAAGCAGAAGCGGGAGAAGG
AATGTGGAGTGACTGCTACTTTTGATGCTAGTCGGACCACTTTTACAAGAGAAGGATCATTCCGTGTCAC
AACAGCCACTGAACAAGCAGAAAGAGAGGAGATCATGAAACAAATGCAAGATGCCAAGAAAGCTGAAACA
GATAAGATAGTCGTTGGTTCATCAGTTGCCCCTGGCAACACTGCCCCATCCCCATCCTCTCCCACCTCTC
CTACTTCTGATGCCACGACCTCTCTGGAGATGAACAATCCTCATGCCATCCCACGCCGGCATGCTCCAAT
TGAACAGCTTGCTCGCCAAGGCTCTTTCCGAGGTTTTCCTGCTCTTAGCCAGAAGATGTCACCCTTTAAA
CGCCAACTATCCCTACGCATCAATGAGTTGCCTTCCACTATGCAGAGGAAGACTGATTTCCCCATTAAAA
ATGCAGTGCCAGAAGTAGAAGGGGAGGCAGAGAGCATCAGCTCCCTGTGCTCACAGATCACCAATGCCTT
CAGCACACCTGAGGACCCCTTCTCATCTGCTCCGATGACCAAACCAGTGACAGTGGTGGCACCACAATCT
CCTACCTTCCAAGCTAATGGCACTGACTCAGCCTTCCATGTGCTTGCTAAGCCAGCCCATACTGCTCTAG
CACCCGTAGCAATGCCTGTGCGTGAAACCAACCCTTGGGCCCATGCCCCTGATGCTGCTAACAAGGAAAT
TGCAGCCACATGTTCGGGGACCGAGTGGGGTCAATCTTCTGGTGCTGCCTCTCCAGGTCTCTTCCAGGCC
GGTCATAGACGTACTCCCTCTGAGGCCGACCGATGGTTAGAAGAGGTGTCTAAGAGCGTCCGGGCTCAGC
AGCCCCAGGCCTCAGCTGCTCCTCTGCAGCCAGTTCTCCAGCCTCCTCCACCCACTGCCATCTCCCAGCC
AGCATCACCTTTCCAAGGGAATGCATTCCTCACCTCTCAGCCTGTGCCAGTGGGTGTGGTCCCAGCCCTG
CAACCAGCCTTTGTCCCTGCCCAGTCCTATCCTGTGGCCAATGGAATGCCCTATCCAGCCCCTAATGTGC
CTGTGGTGGGCATCACTCCCTCCCAGATGGTGGCCAACGTATTTGGCACTGCAGGCCACCCTCAGGCTGC
CCATCCCCATCAGTCACCCAGCCTGGTCAGGCAGCAGACATTCCCTCACTACGAGGCAAGCAGTGCTACC
ACCAGTCCCTTCTTTAAGCCTCCTGCTCAGCACCTCAACGGTTCTGCAGCTTTCAATGGTGTAGATGATG
GCAGGTTGGCCTCAGCAGACAGGCATACAGAGGTTCCTACAGGCACCTGCCCAGTGGATCCTTTTGAAGC
CCAGTGGGCTGCATTAGAAAATAAGTCCAAGCAGCGTACTAATCCCTCCCCTACCAACCCTTTCTCCAGT
GACTTACAGAAGACGTTTGAAATTGAACTTTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003744 unedited
TACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGATTACAGGTGTGAGCTACCAC
AACCAGCTAGTTTCTGTATTGTGGATGAGCCATAGCAACAGCGAGGGGTTTCTGACATCA
GTCAGCTGCCGTGGTTTAATGCATTTGAGCCATATCTAGACAGTGCTTCAGTGTGGCTGA
CACAGCAGCATGGTCTTGACAAGTTTTCTTCATCCTACCACAAAATCCCAGTTGGTAATA
GAGACTTTACTCCTACCTATCAAAACCACAAAATGTCCCATTAGGGGGGGACATGTTGTA
CATGTTAGGATCATTCAAATAACCAAGATTATAAGGTGAGGAAAGATGCCCCTAACTGAT
TCTTTTGTCTCTCATCTTGTTGGTTCCAGGGACCGAGTGGGGTCAATCTTCTGGTGCTGC
CTCTCCAGGTCTCTTCCAGGCCGGTCATAGACGTACTCCCTCTGAGGCCGACCGATGGTT
AGAAGAGGTGTCTAAGAGCGTCCGGGCTCAGCAGCCCCAGGCCTCAGCTGCTCCTCTGCA
GCCAGTTCTCCAGCCTCCTCCACCCACTGCCATCTCCCAGCCAGCATCACCTTTCCAAGG
GAATGCATTCCTCACCTCTCAGCCTGTGCCAGTGGGTGTGGTCCCAGCCCTGCACCAGCC
TTTGTCCCTGCCCAGTCCTATCCTGTGGCCAATGGAATGCCCTATCCAGCCCCTAATGTG
CCTGTGGTGGGCATCACTCCCTCCCAGATGGTGGCCAACGTATTTGGCACTGCAGGCCAC
CCTCANGCTGCCCCATCCCATCAGTCACCCAGCCTGGTCAGGCAGCAGACATTTCCTTCA
CTACGAGCAGCAGTGCTACCACCAGTCCTTTCTTTAAAGCTCTGCTCACACCTCAACGGT
TCTGCAGCTTTCATGGTGTAAAGATGGCAGGTTGGCTCACCGACAGCATACAGAGGTTCT
ACNG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003744 unedited
GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTACCATGAACATTTATTTTTG
TTAAAGCAGATTATAAATTTTCATCAGTACAAATATATATAACTTACATTTGATTGTAAG
GCCAACGTTCAAAAGTAAAAATGAGATGAGCTCTCTTATTGTTATCCGAGGTCAAGAGGC
TGCAACTGTCAAGGGGATGTTCTCACCAAAAGGGGGTTTGGGGGAAGAGGACACACACAA
AGCTAATAAAACCAGAATCCCCATCCCCACAAAACTCATGGGAACAAAATTTAAAGGATA
AAACAAAACCCACCAAGACCCATATTACAAACCAATATGGTAACCTGTGTTCCCTTCTAT
GGTATGATTATGTCATGTTACCTTAGTGTTAAAAGATTAACATAAGGAAACTGCAGCAAT
ATATAAAAGATATATTCTCTATAGAGCATATTTCGATTGATTCCATTAAAATAATGACAT
TAGAATTCCATCATAGGTTTAAAACCAGGACAATACTGCTTTTCCTTTATTTAAAAAAAA
CTACAACCTAGTGACTGTATTGGTCATAAGCATGATTGTTGTTGCAATGTGCTACTTACA
ATGAATGACTGACAGAAAACAAGCTAGGGATCCTGTCTGCAGCTTCCAGCCTTTCCTCTT
TTTATTTCAGTAGGCATCAATGATAAATCAATCTTATGTACAATTTCTTACAACTAGCCC
CTTTACCTTNTGCANNGATACTTTACACTCATACAACTTNCTAATATCTGAGAACTATTT
AAATATTCTAAATGCATANAAATAAGATTTCGCCTTTTGAATATATAAATATTATTCCTG
TACTCAAAATGGAGCTCAACTCCNCCCCAAAATATCTCTGCTGGGCAGTGCTGATTGCCC
TCTAGGAATCTGCAGCTACGTCCTCTTGTCCCAGCTGACACAACATCTTCTGATTT

Restriction Sites: NotI-NotI

ACCN: NM_003744

Insert Size: 2440 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_003744.1, NP_003735.1

RefSeq Size: 3614 bp

RefSeq ORF: 408 bp

Locus ID: 8650

UniProt ID: P49757

Cytogenetics: 14q24.2-q24.3

Domains: PID

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]
Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.