

Product datasheet for **SC301024**

NUMB (NM_001005745) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUMB (NM_001005745) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUMB
Synonyms:	C14orf41; c14_5527; S171
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001005745, the custom clone sequence may differ by one or more nucleotides

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ATGAACAAATTACGGCAAAGTTTTAGGAGAAAGAAGGATGTTTATGTTCCAGAGGCCAGT
CGTCCACATCAGTGGCAGACAGATGAAGAAGGCGTTTCGCACCCGAAAAATGTAGCTCCCG
GTTAAGTACCTTGGCCATGTAGAAGTTGATGAATCAAGAGGAATGCACATCTGTGAAGAT
GCTGTAAAAAGATTGAAAGCTACTGGAAGAAAAGCAGTTAAAGCAGTTCTGTGGGTCTCA
GCAGATGGACTCAGAGTTGTGGATGAAAAAACTAAGACCTCATAGTTGACCAGACGATA
GAGAAAGTTTTCTTCTGTGCCCCAGACAGGAACCTTGGATAGAGCCTTTTCTTACATATGC
CGTGATGGCACCCTCGTCGCTGGATCTGTCACTGCTTCATGGCTGTCAAGGACACAGGT
GAAAGGTTGAGCCATGCAGTAGGCTGTGCTTTTGCAGCCTGTTTAGAGCGCAAGCAGAAG
CGGGAGAAGGAATGTGGAGTGACTGCTACTTTTGTAGTGTAGTCCGACCACTTTTACAAGA
GAAGGATCATTCCGTGTCAACAGCCACTGAACAAGCAGAAAGAGAGGAGATCATGAAA
CAAATGCAAGATGCCAAGAAAGCTGAAACAGATAAGATAGTCGTTGGTTCATCAGTTGCC
CCTGGCAACTGCCCATCCCCATCCTCTCCACCTCTCCTACTTCTGATGCCACGACC
TCTCTGGAGATGAACAATCCTCATGCCATCCCACGCCGCGCATGCTCCAATTGAACAGCTT
GCTCGCCAAGGCTCTTTCGAGGTTTTCTGCTCTTAGCCAGAAGATGTACCCTTTAAA
CGCCAACATCCCTACGCATCAATGAGTTGCCTTCCACTATGCAGAGGAAGACTGATTTT
CCCATTAAAAATGCAGTGCCAGAAGTAGAAGGGGAGGCAGAGAGCATCAGCTCCCTGTGC
TCACAGATCACCAATGCCTTCAGCACACCTGAGGACCCCTTCTCATCTGCTCCGATGACC
AAACCAGTGACAGTGGTGGCACCACAATCTCCTACCTTCCAAGGGACCGAGTGGGGTCAA
TCTTCTGGTGTGCTCCTCCAGGTCTCTCCAGGCCGGTCCATAGACGTAATCCCTCTGAG
GCCGACCGATGGTTAGAAGAGGTGTCTAAGAGCGTCCGGGCTCAGCAGCCCAGGCCCTCA
GCTGCTCCTCTGCAGCCAGTTCTCCAGCCTCCTCCACCCACTGCCATCTCCAGCCAGCA
TCACCTTTCCAAGGGAATGCATTCTCCTCACCTCTCAGCCTGTGCCAGTGGGTGTGGTCCA
GCCCTGCAACCAGCCTTTGTCCCTGCCAGTCCTATCCTGTGGCCAATGGAATGCCTAT
CCAGCCCCAATGTGCCTGTGGTGGGCATCACTCCCTCCCAGATGGTGGCCAACGTATTT
GGCACTGCAGGCCACCCTCAGGCTGCCATCCCCATCAGTCAACCAGCCTGGTCAGGCAG
CAGACATTCCTCACTACGAGGCAAGCAGTGCTACCACCAGTCCCTTCTTTAAGCCTCCT
GCTCAGCACCTCAACGGTTCTGCAGCTTCAATGGTGTAGATGATGGCAGTTGGCCTCA
GCAGACAGGCATACAGAGTTTCTACAGGCACCTGCCAGTGGATCCTTTTGAAGCCAG
TGGGCTGCATTAGAAAATAAGTCCAAGCAGCGTACTAATCCCTCCCTACCAACCCTTTC
TCCAGTGACTTACAGAAGACGTTTGAATTTGAACCTTAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_001005745
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001005745.1](#), [NP_001005745.1](#)

RefSeq Size: 3470 bp

RefSeq ORF: 1779 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]

Transcript Variant: This variant (4) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.