

## Product datasheet for **SC336820**

### NUMBL (NM\_001289979) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NUMBL (NM_001289979) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUMBL
Synonyms:	CAG3A; CTG3a; NBL; NUMB-R; NUMBLIKE; NUMBR; TNRC23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



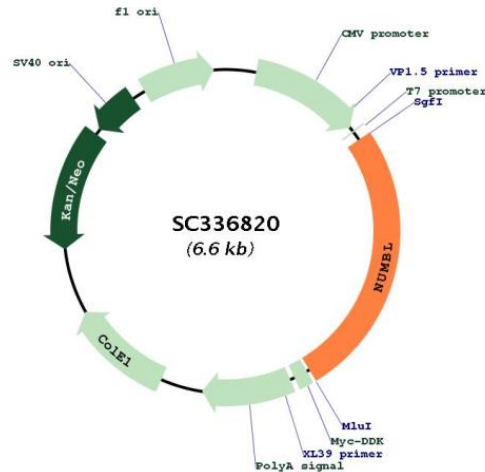
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**Fully Sequenced ORF:** >SC336820 representing NM\_001289979.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAACAAGTTACGGCAGAGCCTGCGGCGGAGGAAGCCAGCCTACGTGCCCGAGGCGTCGCGCCCGCAC
CAGTGGCAGGCAGACGAGGACCGGTGCGGAAGGGCACGTGCAGCTTCCCGGTACAGTACCTGGGTAC
GTGGAGGTAGAGGAGTCCCGGGGAATGCACGTGTGTGAAGATGCGGTGAAGAAGCTGAAGCCGATGGGC
CGAAAGTCCGTGAAGTCTGTCCTGTGGGTGTCAGCCGATGGGCTCCGAGTGGTGGACGACAAAACCAAG
GATCTTCTGGTCGACCAGACCATCGAAAAGGTCTCCTTTTGTGCTCCTGACCGCAACCTGGACAAGGCT
TTCTCCTATATCTGTCGTGACGGGACTACCCGCCGCTGGATCTGCCACTGTTTTCTGGCACTGAAGGAC
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GAGAAGGAATGTGGGTACGGCCGCTTCGATGCCAGCCGACACAGCTTCGCCCGGAGGGCTCCTTC
CGCTGTCTGGGGTGGCGGCCCTGCTGAGCGAGAGGCCCGGACAAGAAGAAAGCAGAGGCAGCAGCT
GCCCCACTGTGGCTCCTGGCCCTGCCAGCCTGGGCACGTGCCCCGACACCAGCCACCACATCCCT
GGTGAGAAGGGTGAAGCAGGCACCCCTGTGGCTGCAGGCACCACTGCGGCCGCCATCCCCGGCGCCAT
GCACCCCTGGAGCAGCTGGTTCGCCAGGGCTCCTTCCGTGGGTTCCAGCACTAGCCAGAAGAAGCTCG
CCTTTCAAACGGCAGCTGAGCCTACGGCTGAATGAGCTGCCATCCACGCTGCAGCGCCGCACTGACTTC
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CCTTCAGAGGCTGAGCGATGGCTGGAGGAGGTGCACAGGTGGCCAAGGCCAGCAGCAGCAGCAGCAG
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GTGTTCTGCCACCCCAACATGCAGCCCTTTTGTGCCCGCTACCCGGGCTTGGGCTACCCACCG
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CAGCTCCAGCCTCAGCCTGCCACTCTGCTTGGGAAAGCTGGGGCCTTCCCGCCCCCTGCCATACCCAGT
GCCCTGGGAGCCAGGCCGCCCTCGCCCCAATGGGGCCCCCTGGCCCCCTGAGCCAGCGCCTGCCCA
GCTCCAGAGTTGGACCCCTTTGAGGCCAGTGGCGGCATTAGAAGGCAAAGCCACTGTAGAGAAACCC
TCCAACCCCTTTTCTGGCGACCTGCAAAGACATTCGAGATTGAAGTTAG
ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_001289979

**Insert Size:** 1707 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\\_001289979.1](#)

**RefSeq Size:** 3483 bp

**RefSeq ORF:** 1707 bp

**Locus ID:** 9253

**UniProt ID:** [Q9Y6R0](#)

**Cytogenetics:** 19q13.2

**Protein Pathways:** Notch signaling pathway

**MW:** 60.8 kDa

**Gene Summary:**

Plays a role in the process of neurogenesis. Required throughout embryonic neurogenesis to maintain neural progenitor cells, also called radial glial cells (RGCs), by allowing their daughter cells to choose progenitor over neuronal cell fate. Not required for the proliferation of neural progenitor cells before the onset of embryonic neurogenesis. Also required postnatally in the subventricular zone (SVZ) neurogenesis by regulating SVZ neuroblasts survival and ependymal wall integrity. Negative regulator of NF-kappa-B signaling pathway. The inhibition of NF-kappa-B activation is mediated at least in part, by preventing MAP3K7IP2 to interact with polyubiquitin chains of TRAF6 and RIPK1 and by stimulating the 'Lys-48'-linked polyubiquitination and degradation of TRAF6 in cortical neurons.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation from a downstream start codon, compared to variant 1. The encoded protein (isoform b) has a shorter N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.