

Product datasheet for **SC103387**

NUMBL (AK096566) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUMBL (AK096566) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUMBL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK096566, the custom clone sequence may differ by one or more nucleotides

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CACACTCTTGACAGTCTGACAACACACAGACCCACATTTCTACAGACGACAGCCACACTTTACAGA
CAGACCCCGGGGCCAGGCTCTACAGGGAGCTACGGTTGTGTACAAACATGCACACAGTCTCACAAG
AACACCCAGCACTCTCTCAGGCAACAGTACACCCCTTACAAATAACCCTCATGAAAACACTCTCAAAG
AACCTCATGTTCCACACACCCTAACGGATGCACCACTGCACACAGATACACCCTGTGCAATACCCAC
ACACCCCACTCTAAGGCAACAGCCACAGTACACAGGCTCACCGCCAACAGCTGCACTCTTGGACACAG
ACAGTCTGTAGATCCCTCAGATGCACTCTCCGAGGCAATGTCATCACAGACAATAGCCACACCTTCACA
CAGAGACATAGCTACATGGATAACAGCCATGGACACACCCTTTGAAAGACGACAGCCTCATCTCAAAG
AGACACACCCTCACAGGCAACAGGCACTGAGCCACAAGTTCTCATAGACAACAACGGCACTCTCGGAT
AGACAGCAGACACACTCACAACCCTCTCAGACATCGATGCCCTTCAGCAACAACCTTCAGGGCCTCA
GACTCACAGACAACAACCACACTTTGGATGCATCCCTCACGGACAGCATTACAGATGCACACTATCCT
ACACATTCTCAGACATGCGTTCTTCCAGACAGCCTTCAGAAACACACTCACAGACATTACTTGCCTGCT
CAGATATAGAGCCCTCATAGACAGCGTCCAGAACATACCATTGCACACTTACTTACACACACACACAC
ACACACACATCCCCCTCTGCTGTTGGTGTCCAGTCCCTGGGACTGTGAGGATGGCTGATCAGTGAAGAC
TGTCTAGTGGCTGGCCACTCCACACCCTCCACACACCCACAGCCCTGCCTCTGACAGTCATCAGTG
CAAGGCCCCAGAAGCCTTGCCCTGGGACTAGACACAGTTGTCACAGAATGGCTGTGTCTCAGAGTCCAG
AGACAAGCCACCATCCCCATACCCATGCACCTGACTCCTGCACCCCTGACCCATGCAATCCCAACTC
CTCTGCTGCCCTCTGATCACCCACTGCCTGACTCTCATACCCCTAAAACCCCTGACCGTGCGGCCCTG
GGAATGAGGAAGCATCCACCACATGGACAAGAAGCCCTCCAATGCCCTGAAGCCTGTGCCCATACCCCC
CACCCAGACCTCCAGCCCTTAGCCCATGGTTCTGAATCCCCAGTGCCCAACTTTCGCACTCCCTGG
CTTCTGTTGGCTCCTTCTCACTGTCCCTGACTTGAGCTGCTGATCCCATGTGCGCTGCCAACTGACC
CTGTAACCCCGCTTCCAGTTATCTTGTATCTGACCCCATGCTCCCTGAGCACTGGTCCCTCCCCGTTGA
GCTCCATACCTTCTGACCCACCCCTTGACCCACATCACTGTCCTGTGTCACCAGACGGGGCGGCACCA
TGAACAAGTTACGGCAGAGCCTGCGGGGAGGAAGCCAGCCTACGTGCCCGAGGCGTCCGCCCCGACCA
GTGGCAGGACAGAGGACGCGGTGCGGAAGGGCACGTGCAGTTCCTCGGTGAGGTGAGTGGGCGCGGC
AGGGTGCGGCGGGGACGGGGGACGGGGCCGCTGTGCTGTGCTGTGCGGGTGCAGGCTGGCTGGGAC
ACCAGCCAAGTCGTTTGAAGTTGGTGTAAAAAGCGTGAGGCCGCGAGTCTGGCTATCACGGTGAAC
CCCGGCTCTACTAGAAATACAACAAATTAGCCTCGCGTGGTGGCGGGCGCCTGTAGTCCCAGCTACTGGG
GAGGCTGAGACAGGAGAATCGCTTGAACCCGGGAGCGGAGATTGCAGTGAGCCGAGATAGCGCCATTGC
ACTCCAGCCTGGGCGACAGAGCAGACTCTGTTTC
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK096566 unedited</p> <pre> TCACAATTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCGTTGTGTACA AACATGCACACAGTCTCACAAGAACACCCAGCACTCTCTCAGGCAACAGTCACACCCCTT ACAAATAACCCTCATGAAAACACTCTCAAAGACAACCTCATGTTCCCACACACCCCTAACG GATGCACCACTGCACACAGATACACCCTCTGTGCAATACCCACACACCCACACTTAAGG CAACAGCCACAGTCACACAGGCTCACCGCAACAGCTGCACTCTTGACACAGACAGTCT TGTAGATCCCTCAGATGCACTCTCCGAGGCAATGTCATCACAGACAATAGCCACACCTTC ACACAGAGACATAGCTACATGGATAAACAGCCATGGACACACCCCTTTGAAAGACGACAGCC TCATCTCAAACACAGACACACCCTCACAGGCAACAGGCACTGAGCCACAAGTTCTCATAG ACAACAACGGCACTCTCGGATATAGACAGCAGACACACTCACAACCACTCTCAGACAT CGATGCCCTTCAGCAACAACCTTCAGGGCCTCAGACTCACAGACAACAACCACACTTTTG GATGCATCCCTCACGGACAGCATTACAGATGCACACTATCTACACCATTCTCAGACAT GCGTTCTCCAGACAGCCTTCAGAAACACTCACAGACATTACTGCCTGCTCAGATAT AGAGCCCCTCATAGACAGCGTTCAGAACATAACCATTGCACACTTGCTTAACACACACAC ACACACACATNNCCCTTTGCTGTTGGTGCTCCCAGTCTGGGACTGTCANGATGGCTGAT CAGTGAAGACTGTNCTAGTGGNTGGNCACTNCAACCCTNCAACACCCACAGNCCTGCC TNTGAAGTCATAGTGCAAGCCCCAAAGCCCTGCTGGNGACANAACAGTGTCCAGAATGCT GGTCTCA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK096566 unedited</p> <pre> GTACCGCGGCCGATCTANATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT CTGCTCTGTGCGCCAGGCTGGAGTGCAATGGCGCTATCTCGGCTCACTGCAATCTCGCC TCCCGGGTTCAAGCGATTCTCCTGTCTCAGCCTCCCAGTAGCTGGGACTACAGGCGCCC GCCACCACGCGAGGCTAATTTGTTGATTTCTAGTAGAGCCGGGGTTTACCGTGATAGC CAGGACTGCCGGCCTCACGCTTTTTAACACCAACTTCAAACGACTTGGGCTGGTGTCCCA GCCAGGCCGCGCACCCGCACAGCACAGCACAGCGGCCCCCGTCCCCTCGCCCCGCGCA CCCTGCCGCGCCCACTCACCTGACCGGGAAGCTGCACGTGCCCTTCCGACCCGCGTCT CGTCTGCCTGCCACTGGTGCGGGCGCGACGCTCGGGCACGTAGGCTGGCTTCTCCGCG GCAGGCTCTGCCGTAAC TTGTTTCATGGTGCCCGCCCGTCTGGTGACACAGGACAGTGT GTGGGTCAAGGGTGGGGT CAGAAGGTATGGAGCTCAACGGGGAGGGACCAGTGCTCANG GAGCATGGGGTCAGATAACAAGATAACTGGAAGCGGNGTTACAGGGTCAGTTGGCAGCGC ACATGGGATCAGCAGCTCAAGTCAGGGGACAGTGAGGAAAAGAGCCACAGAAGCCAGGG GAGTGCGAAAAGTTGGCACTGGGATTAGACCATGGGGCTAAGGGGCTGGAGTCTGGGGTG GGGGTATGGGCACAGGCTTCAGGCATTGGAGGGCTCTTGCCATGTGGGGATGCTCCTCA TCCAGGGCCCTGAAGACACAAGGTGGGAAATAAACTTAGAAGGCATGGGGCTAAGGGAT AAAATAGGGGCCACGGCCGGGTTTATGGGTTAAGATCAGCCCCGGGGATCAGAGCACC CAAGATTGGGATGCTGGTTCGGT </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK096566
Insert Size:	2000 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:	<ol style="list-style-type: none">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:	AK096566.1
RefSeq Size:	2064 bp
RefSeq ORF:	2064 bp
Locus ID:	9253
Cytogenetics:	19q13.2
Protein Pathways:	Notch signaling pathway
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]