

Product datasheet for **SC101037**

LIN9 (NM_173083) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	LIN9
Synonyms:	BARA; BARPsv; Lin-9; TGS; TGS1; TGS2
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_173083, the custom clone sequence may differ by one or more nucleotides

ATGCACCGCGGCGGCGAGCCTTTGAAAAAGCGGCGGCTCGTTCAAGATGGCGGAGCTCGACCACTTGC
CTGACGAGAGCTCTTCAGCAAAAGCCCTTGTCACTTTAAAAGAAGGAAGCTTATCTAACACGTGGAATGA
AAAGTACAGTTCTTTACAGAAAACCTGTTTGGAAAGGCAGGAATACAAGCTCTGCTGTGAAATGCCT
TTCAGAAATTCAAAACGAAGTCGACTTTTTCTGATGAAGATGATAGGCAAAATAATACAAGGTACCTA
AAAGAAACAGAGGGTTGCAATGGTTCCACAGAAATTTACAGCAACAATGTCAACACCAGATAAGAAAGC
TTCACAGAAGATTGGTTTTCGATTACGTAATCTGCTCAAGCTTCTAAAGCACATAAATGGTGTATATAC
GAGTGGTTCTATTCAAATATAGATAAACCACTTTTGAAGGTGATAATGACTTCTGTGTATGTCTAAAGG
AATCTTTTCTTAATTTGAAAAACAAGAAAGTTAAACAAGATAGAATGGGAAAAAATTCGGCGGCTTATGGG
AAAACACGGAGATGTTCTTCTGCATTTTTTGGGAAGAGAGATCAGCATTAAACAGAAACGGCAGAAA
ATAAGGCTCTTACAACAAGGAAAGTTGCAGATGTTTACAATTCAAAGATCTCCAGATGAAATTCCTT
TGCCTCTGGTTATTGGAACGAAAGTTACAGCACGATTACGTGGTGTTCATGATGGTTTGTCTACTGGACA
AATAGATGCTGTGGATACTCTTAATGCTACTTATAGAGTAACTTTTGATAGGACAGGGCTTGAACCCAT
ACCATCCCTGACTATGAAGTTCTCAGTAATGAACCTCATGAGACAATGCCAATTGCTGCCTTTGGACAAA
AACAGCGGCTTCTCGATTTTTTATGACCCACACGTTACATTATACTCCTCCTCCTCCAGTCACCAAT
TATAGATAATGATCCTTTATTAGGACAGTCGCCGTGGAGAAGTAAATTTCTGGCTCTGACACTGAAACA
TTAGGTGGTTTTCCAGTAGAATTTCTTATCCAAGTGACCAGATTATCAAAAATTCTCATGATTAAGGAGG
AACATATCAAGAAATTAAGGGAATGAACACAGAAGCAGAAAAATTGAAATCATATCCATGCCATCAG
CATTGAATTCAGCGGAGATATGCAACAATTGTTCTGGAGCTTGAACAGCTGAACAAGGACCTAAACAAA
GTTTTGCATAAAGTTCAACAGTATTGCTATGAGCTTGTCCAGACCAGGGGCTCCAGCCTGCAGATCAGC
CAACAGATATGAGACGCAAGGTGTGAGGAAGAAGCACAGGAAATTTGTCGGCATGCAAAATTCCTCAACAGG
ACAGCCCTGCGTTGAAATGAAATCTGACAGACTTAATTTCCAGGCTTACAGCTATTTTGTACAAATT
AAGTGTCTAGCAGAAGGAGGAGACCTGAATTCCTTTGAATTCAAATCACTTACAGACTCATTAAATGATA
TCAAGAGTACAATAGACGCTTCTAATATCAGTTGCTTTTCAAGTAATGTAGAAATCCATGTTGCACATAT
TCAGAGTGGCCTGAGCCAGATGGGAACTTACATGCCTTTGCAGCAAAATACACCAACAGAGACTGA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_173083 unedited
TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGAAACACCTGTTTGGG
AAGGCAGGAATACAAGCTCTGCTGTGGAATGAAATTTACAGCAACAATGTCAACACCAG
ATAAGAAAGCTTCACAGAAGATTGGTTTTCGATTACGTAATCTGCTCAAGCTTCTTAAAG
CACATAAATGGTGTATATACGAGTGGTTCTATTCAAATATAGATAAACCACTTTTTGAAG
GTGATAATGACTTTTGTGTATGTCTAAAGGAATCTTTTCTAATTTGAAAACAAGAAAGT
TAACAAGAGTAGAATGGGAAAAAATTCGGCGGCTTATGGGAAAACACGGAGATGTTCTT
CTGCATTTTTTGGGAAGAGAGATCAGCATTAAACAGAAACGGCAGAAAAATAAGGCTCT
TACAACAAAGGAAAGTTGCAGATGTTTACAATTCAAAGATCTCCAGATGAAATTCCTT
TGCCTCTGGTTATTGGAACGAAAGTTACAGCACGATTACGTGGTGTTCATGATGGTTTGT
TCACTGGACAAATAGATGCTGTGGATACTTAAATGCTACTTATAGAGTAACCTTTTGATA
GGACAGGGCTTGAACCCATACCATCCCTGACTATGAAGTTCTCAGTAATGAACCTCATG
AGACAATGCCAATGCTGCCTTTGGACAAAACAGCGGCTTCTCGATTNTTTATGACCC
CACCACGGTTACATTATACTCCTCCTCCTCCAGTCACCAATTATAGATAATGATCCTTTAT
TANGACAGTCGNCGGGAGAAAGTAAATTTCTGGCTCTGACACTGACANTAAAGTGGTNTNC
AGTAGAATTTCTATCCAGTGACCAGATATCAAAATTTCTCATGATAAAAGGNACATATCAGA
ATTAGGGAATGACACAGAGCGAAATGAATCTATT

Restriction Sites:

NotI-NotI

ACCN:

NM_173083

Insert Size:

3700 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).
OTI Annotation:	A TrueClone.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_173083.2, NP_775106.2</u>
RefSeq Size:	3340 bp
RefSeq ORF:	1677 bp
Locus ID:	286826
UniProt ID:	<u>Q5TKA1</u>
Cytogenetics:	1q42.12
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a tumor suppressor protein that inhibits DNA synthesis and oncogenic transformation through association with the retinoblastoma 1 protein. The encoded protein also interacts with a complex of other cell cycle regulators to repress cell cycle-dependent gene expression in non-dividing cells. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform 1).