

Product datasheet for **RG206915**

LIN9 (NM_173083) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIN9 (NM_173083) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LIN9
Synonyms:	BARA; BARPsv; Lin-9; TGS; TGS1; TGS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG206915 representing NM_173083
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACCGCGCGGGCAGCCTTTGAAAAAGCGGCGGGCTCGTTCAAGATGGCGGAGCTCGACCAGTTGC
 CTGACGAGAGCTTTCAGCAAAAGCCCTTGTCAAGTTAAAAGAAGGAAGCTTATCTAACACGTGGAATGA
 AAAGTACAGTTCTTTACAGAAAACACCTGTTTGAAAAGGCAGGAATACAAGCTCTGCTGTGAAATGCCT
 TTCAGAAATTCAAAACGAAGTCGACTTTTTTCTGATGAAGATGATAGGCAATAAATAACAAGTACACCTA
 AAAGAAACCAGAGGGTTGCAATGGTTCCACAGAAATTTACAGCAACAATGTCAACACCAGATAAGAAAGC
 TTCACAGAAGATTGGTTTTCGATTACGTAATCTGCTCAAGCTTCCTAAAGCACATAAATGGTGTATATAC
 GAGTGGTCTATTCAAATATAGATAAACCACTTTTTGAAGGTGATAATGACTTCTGTGTATGTCTAAAGG
 AATCTTTTCTAATTTGAAAACAAGAAAGTTACAAGAGTAGAATGGGGAAAAATTCGGCGGCTTATGGG
 AAAACCACGGAGATGTTCTTCTGCATTTTTGAGGAAGAGAGATCAGCATTAAAACAGAAACGGCAGAAA
 ATAAGGCTCTTACAACAAGGAAAGTTGCAGATGTTTCACAATTCAAAGATCTCCAGATGAAATTCCTT
 TGCCCTCTGGTTATTGGAACGAAAGTTACAGCACGATTACGTGGTGTTCATGATGGTTTGTCACTGGACA
 AATAGATGCTGTGGATACTCTTAATGCTACTTATAGAGTAACTTTTGATAGGACAGGGCTTGAACCCAT
 ACCATCCCTGACTATGAAGTTCTCAGTAATGAACCTCATGAGACAATGCCAATGCTGCCTTTGGACAAA
 AACAGCGGCCCTTCTCGATTTTTTATGACCCACCACGGTTACATTATACTCCTCCTCCTCCAGTCACCAAT
 TATAGATAATGATCCTTTATTAGGACAGTCGCCGTGGAGAAGTAAAAATTTCTGGCTCTGACTGAAACA
 TTAGGTGGTTTTCCAGTAGAATTTCTTATCCAAGTGACCAGATTATCAAAAATTCATGATTAATAAAGG
 AACATATCAAGAAATTAAGGAAATGAACACAGAAAGCAGAAAAATGAAATCATATTCATGCCCATCAG
 CATTGAATTTTCAGCGGAGATATGCAACAATTTGTTCTGGAGCTTGAACAGCTGAACAAGGACCTAAACAAA
 GTTTTGCATAAAGTTCAACAGTATTGCTATGAGCTTGCTCCAGACCAGGGCTCCAGCCTGCAGATCAGC
 CAACAGATATGAGACGCAGGTGTGAGGAAGAAGCACAGGAAATGTTTCGGCATGCAAATTCCTCAACAGG
 ACAGCCCTGCGTTGAAAATGAAAATCTGACAGACTTAATTTCCAGGCTTACAGCTATTTTGTACAAAT
 AAGTGTCTAGCAGAAGGAGGAGACCTGAATTCCTTTGAATTCAAATCACTTACAGACTCATAAATGATA
 TCAAGAGTACAATAGACGCTTCTAATATCAGTTGCTTTCAGAATAATGTAGAAATCCATGTTGCACATAT
 TCAGAGTGGCCTGAGCCAGATGGGAACTTACATGCCTTTGCAGCAAATAACACCAACAGAGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206915 representing NM_173083
 Red=Cloning site Green=Tags(s)

MHRGGQPLKRRGSFKMAELDQLPDESSAKALVSLKEGSLSNTWNEKYSSLQKTPVWKGKRNSSAVEMP
 FRNSKRSRLFSDDDRQINTRSPKRNQVRVAMVPQKFTATMSTPDKKASQKIGFRLRNLLKLPKAHKWCIIY
 EWFYSNIDKPLFEGDNDFCVCLKESFPNLKTRKLRVWVGKIRRLMGKPRRCSSAFFEERSALKQKRQK
 IRLQQRKVADVSQFKDLPDEIPLPLVIGTKVTARLRGVHDGLFTGQIDAVDTLNATYRVTDFRTGLGTH
 TIPDYEVLSNEPHETMPIAAGFGQKQRPSRFFMTPPRLHYTPPLQSPIIDNDPLLGQSPWRSKISGSDTET
 LGGFPVEFLIQVTRL SKILMIKKEHIKLRMNTAEKLSYSMPISIEFQRRYATIVLELEQLNKDLNK
 VLHKVQQYCYELAPDQGLPADQPTDMRRRCEEEAQEIVRHANSSTGQPCVENENLTDLISRLTALLQI
 KCLAEGGDLNSFEFKSLTDSLNDIKSTIDASNISCFQNNVEIHVAHIQSGLSQMGNLHAFANNTNRD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173083

ORF Size: 1674 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_173083.3](#)

RefSeq Size: 3340 bp

RefSeq ORF: 1677 bp

Locus ID: 286826

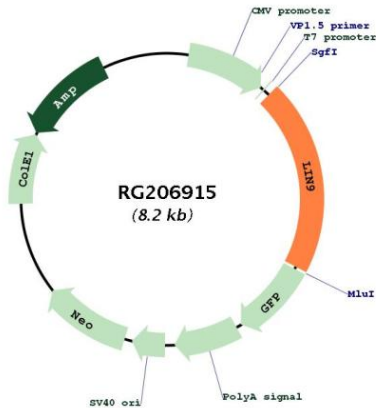
UniProt ID: [Q5TKA1](#)

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]

Product images:



Circular map for RG206915