

Product datasheet for **RG232912**

LIN9 (NM_001270409) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIN9 (NM_001270409) 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)



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ORF Nucleotide Sequence:

>RG232912 representing NM_001270409
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCACCGCGCGGGCAGCCTTTGAAAAAGCGCGCGGCTCGTTCAAGATGGCGGAGCTCGACCAGTTGC
 CTGACGAGAGCTCTTCAGCAAAAGCCCTTGTCAAGTTTAAAGAAAGGAAGCTTATCTAACACGTGGAATGA
 AAAGTACAGTTCTTTACAGAAAAACCTGTTTGAAAGGCAGGAATACAAGCTCTGCTGTGGAATGAAA
 TTTACAGCAACAATGTCAACACCAGATAAGAAAGCTTCACAGAAGATTGGTTTTCGATTACGTAATCTGC
 TCAAGCTTCTAAAGCACATAAATGGTGTATATACGAGTGGTTCTATTCAAATATAGATAAACCACTTTT
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 AGAGTAGAATGGGAAAAATTTCGGCGGCTTATGGGAAAACACGGAGATGTTCTTCTGCATTTTTGAGG
 AAGAGAGATCAGCATTAAACAGAAACGGCAGAAAATAAGGCTCTTACAACAAGGAAAGTTGCAGATGT
 TTCACAATTCAAAGATCTCCAGATGAAATTCCTTGCCTCTGGTTATTGGAACGAAAGTTACAGCACGA
 TTACGTGGTGTTTCATGATGGTTTGTTCCTGGACAAATAGATGCTGTGGATACTCTAATGCTACTTATA
 GAGTAACCTTTGATAGGACAGGGCTTGAACCCATACCATCCCTGACTATGAAGTTCTCAGTAATGAACC
 TCATGAGACAATGCCAATTGCTGCCTTTGGACAAAAACAGCGGCCTTCTCGATTTTTATGACCCACCA
 CGGTTACATTATACTCCTCTCCAGTCACCAATTATAGATAATGATCCTTTATTAGGACAGTCGCGGT
 GGAGAAGTAAATTTCTGGCTCTGACACTGAAACATTAGGTGGTTTTCCAGTAGAATTTCTTATCCAAGT
 GACCAGATTATCAAAAATTCATGATTAAGGAACATATCAAGAAATTAAGGGAATGAACACAGAA
 GCAGAAAAATTGAAATCATATTCATGCCCATCAGCATTGAATTCAGCGGAGATATGCAACAATTGTTT
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 CAGGAAATTGTTGCGCATGCAAATTCCTCAACAGGACAGCCCTGCGTTGAAAATGAAAATCTGACAGACT
 TAATTTCCAGGCTTACAGCTATTTTGTACAAATTAAGTGTCTAGCAGAAGGAGGAGACCTGAATTCCTT
 TGAATTCAAATCACTTACAGACTCATTAAATGATATCAAGAGTACAATAGACGCTTCTAATATCAGTTGC
 TTTCAGAATAATGTAGAAATCCATGTTGCACATATTCAGAGTGGCCTGAGCCAGATGGGAAACTTACATG
 CCTTTCAGCAAAATAACCAACAGAGAC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

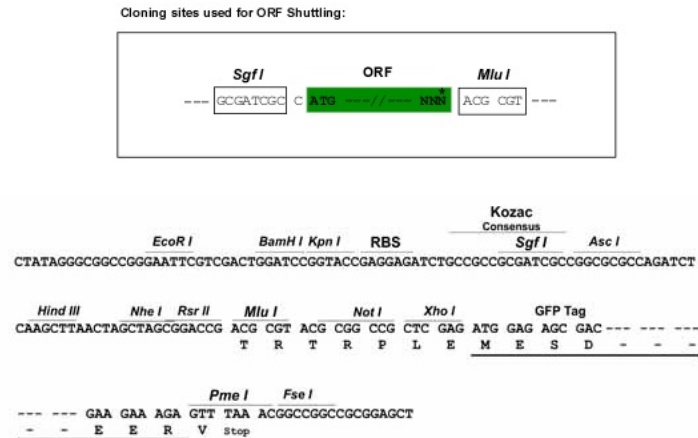
>RG232912 representing NM_001270409
 Red=Cloning site Green=Tags(s)

MHRGGQPLKRRGSFKMAELDQLPDESSAKALVSLKEGSLSNTWNEKYSSLQKTPVWKGKNTSSAVEMK
 FTATMSTPDKKASQKIGFRLRNLLKLPKAKHWCIEYWFYSNIDKPLFEGDNDFCVLKESFPNLKTRKLT
 RVEWGKIRRLMGKPRRCSSAFFEERSALKQKRQKIRLLQQRKVADVQFKDLPDEIPLPLVIGTKVTAR
 LRGVHDLFTGQIDAVIDTLNATYRVTFRDTGLGTHITPDYEVLSNEPHETMPIAAGFQKQRPFRFMTTP
 RLHYTPPLQSPIIDNDPLLQSPWRSKISGSDTETLGGFPVEFLIQVTRLKILMIKKEHKKLREMNT
 AEKLSYSMPISIEFQRRYATIVLELEQLNKDLNKLHVQYCYELAPDQGLQPADQPTDMRRRCSEEA
 QEIVRHANSSTGQPCVENENLTDLISRLTAILLIQKLAEGGDLNSFEFKSLTDSLNDIKSTIDASNIS
 FQNNVEIHVAHIQSGLSQMGNLHFAANNTNRD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001270409

ORF Size: 1569 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_001270409.1](#), [NP_001257338.1](#)

RefSeq Size: 3240 bp

RefSeq ORF: 1572 bp

Locus ID: 286826

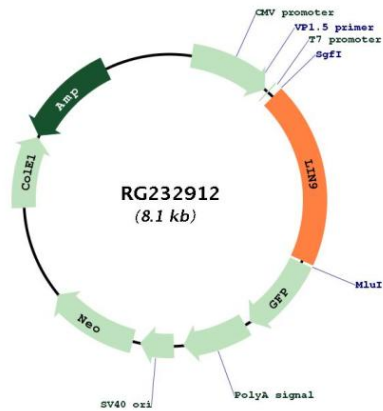
UniProt ID: [Q5TKA1](#)

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 RG232912