

Product datasheet for **RC232912**

LIN9 (NM_001270409) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LIN9 (NM_001270409) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LIN9
Synonyms:	BARA; BARPsv; Lin-9; TGS; TGS1; TGS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232912 representing NM_001270409
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCACCGCGCGGGCAGCCTTTGAAAAAGCGCGCGGCTCGTTCAAGATGGCGGAGCTCGACCAGTTGC
 CTGACGAGAGCTTTAGCAAAAAGCCCTTGTCAAGTTTAAAGAAAGGAAGCTTATCTAACACGTGGAATGA
 AAAGTACAGTTCTTTACAGAAAACACCTGTTTGAAAGGCAGGAATACAAGCTCTGCTGTGAAATGAAA
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 GAGTAACCTTTGATAGGACAGGGCTTGAACCCATACCATCCCTGACTATGAAGTTCTCAGTAATGAACC
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 CGGTTACATTATACTCCTCTCCAGTCACCAATTATAGATAATGATCCTTTATTAGGACAGTCGCCGT
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 TTTCAGAATAATGTAGAAATCCATGTTGCACATATTCAGAGTGGCTGAGCCAGATGGGAAACTTACATG
 CCTTTCAGCAAAATAACACCAACAGAGAC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RC232912 representing NM_001270409
 Red=Cloning site Green=Tags(s)

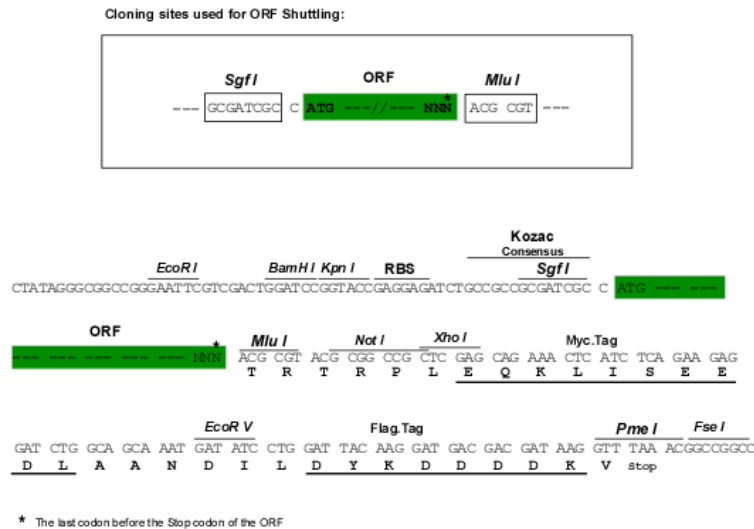
MHRGGQPLKRRGSFKMAELDQLPDESSAKALVSLKEGSLNTWNEKYSSLQKTPVWKGKNTSSAVEMK
 FTATMSTPDKKASQKIGFRLRNLLKLPKHKWCIYEFYFNIDKPLFEGDNDFCVCLKESFPNLKTRKLT
 RVEWGKIRRLMGKPRRCSSAFFEERSALKQKRQKIRLLQQRKVADVSQFKDLPEIPLPLVIGTKVTAR
 LRGVHDLFTGQIDAVDTLNATYRVTFDRTGLGTHITPDYEVLSNEPHETMPIAAGFQKQKPSRFFMTPP
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 AEKLKSYMPISIEFQRRYATIVLEQLNKDLNKLHVKVQCYELAPDQGLPADQPTDMRRRCEEEA
 QEIVRHANSSTGQPCVENENLTDLISRLTALLQIKCLAEGGDLNSFEFKSLTDSLNDIKSTIDASNISC
 FQNNVEIHVAHIQSGLSQMGNLHFAAANNTRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001270409.1](#), [NP_001257338.1](#)

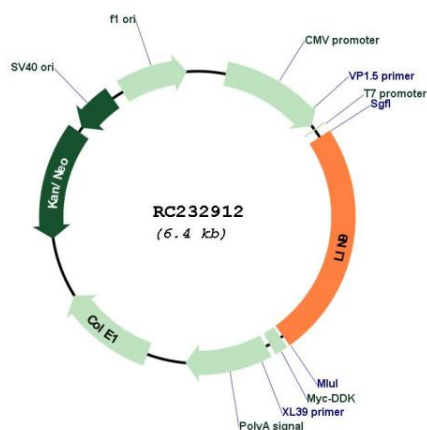
RefSeq Size: 3240 bp

RefSeq ORF: 1572 bp

Locus ID: 286826

UniProt ID:	<u>Q5TKA1</u>
Cytogenetics:	1q42.12
Protein Families:	Druggable Genome
MW:	60 kDa
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 RC232912