

Product datasheet for **MR222247**

Lin9 (NM_175186) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lin9 (NM_175186) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lin9
Synonyms:	2700022J23Rik; AA537062; AA545216; Bara; TGS; TGS1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR222247 representing NM_175186
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGCTCGACCAGTTGCCTGACGAGAGCTCTTCAGCAAAAGCCCTTGTCAGTTTAAAAGAGGGAA
 GTTTATCTAACACATGGAATGAAAAGTACAGTTCTTTACAGAAAACCTCCTGTTTGAAAAGGCAGGAATGC
 GGGCCCTGCTGTAGAAATGCCTTTCAGAAATTCAAAAAGAAGTCGACTCTTTTCTGATGAAGATGACAGA
 CAAATAAATACAAAGTCACCTAAAAGAAACCAGAGAGTGGCAATGATCCACAGAAATTTACAGCAACGA
 TGTCAACACCAGATAAGAAAGCATCACAGAAGATTGGTTTTCGATTACGGAACTACTCAAGCTTCCCAA
 AGCACATAAGTGGTGCATATATGAGTGGTCTACTCAAACATAGACAAGCCACTTTTTGAAGGAGATAAT
 GACTTTTGTGTATGCCTAAAGGAATCCTTCTAATTTGAAAACAAGAAAATTAACAAGAGTAGAATGGG
 GAAAAATCAGGAGACTGATGGGAAAACCTCGGAGATGTTCTTCTGCATTTTTTGGAGAAGAGAGATCAGC
 CTTAAAACAGAAGCGGCAGAAAAATCAGGCTGTTACAACAAGGAAAGTTGCAGATGTTTCACAGTTCAA
 GATCTCCCGATGAAATCCCTCTACCCCTGGTTATTGGAACCAAAGTTACAGCGCGGTTACGTGGCATT
 ACGATGGCCTGTTTACTGGTCAGATAGATGCAGTGGACACTCTTAATGCTACTTACAGAGTAACTTTCGA
 TAGGACAGGCCTTGGGACTCACACCATTCTGACTATGAAGTTCTTAGTAATGAGCCTCATGAGACAATG
 CCAATCTCTGCCTTTGGACAAAAACAGCGGCCTTCTCGGTTTTTATGACCCCCCAGCGTTACATTATA
 CCCCTCCTCTCCAGTACCAATTACAGATGGCGATCCTTACTGGGCGAGTCACCTTGGAGAAGTAAAGT
 TTCTGGCTCTGACACGGAGACGTTAGGAGGCTTCCAGTGGAAATCCTTATCCAGTGACTAAGTTATCA
 AAAATTCATGATTAATAAAGAGCATATAAAGAAATTAAGGGAGATGAACACAGAAGCAGAAAAGCTGA
 AATCCTATTCCATGCCATTGGCATTGAGTTTTCAGCGGAGATACGCAACGATCGTCTGGAGCTTGAGCA
 GCTGAACAAGGACCTGAACAAAGTCTGCATAAAGTTTCAGCAGTATTGCTATGAGGTGAGTGGCGTATAT
 TGCTTTACTGGTGTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTGTTTTG
 TAGCTATGGCTGCTCTGGAGACCAGCCTGGCCTCCAGCTCAGAAATCCGCCTGTTTCTGCCTCCTAGTGC
 TGGGATTAAGGTGTGCGCCACCATGCACAGCCTAATGTGTGTTGCTTCCCTCCATGTTTTGTTATTTG
 AAGCTTAATGATTTTACCTTACCTTTTGAAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222247 representing NM_175186
 Red=Cloning site Green=Tags(s)

MAELDQLPDESSAKALVSLKEGSLNNTWNEKYSSLQKTPVWKGKRNAGPAVEMPFRNSKRSRLFSDDDR
 QINTKSPKRNQVRVAMIPQKFTATMSTPDKKASQKIGFRLRNLLKLPKAHKWCIYEFYFNSIDKPLFEGDN
 DFCVCLKESFPNLKTRKLRVWVGKIRRLMGKPRRCSSAFFEERSALKQKRQKIRLLQQRKVADVSQFK
 DLPDEIPLPLVIGTKVTRLRGIDHGLFTGQIDAVDTLNATYRVTFDRTGLGHTHTIPDYEVLSNEPHEM
 PISAFGQKQRPFRFFMTPLHYTPPLQSPITDGDPLLQSPWRSKVSQSDTETLGGFPVEFLIQVTKLS
 KILMIKKEHIKLRMNTAEAKLKSYSMPIGIEFQRRYATIVLELEQLNKDLNKVLHKVQYCYEVSQVY
 CFHWCFVLFVILVFFEMGSHSVAMALETSLASSEIRLFLPPSAGIKGVRHHAQPNVCCFSPMFCYL
 KLNDFTFTFCKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

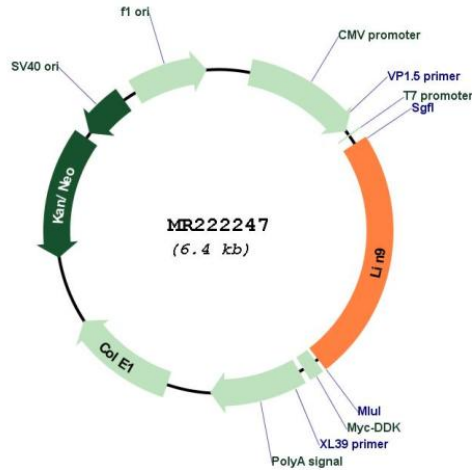
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_175186

ORF Size: 1506 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_175186.4](#), [NP_780395.2](#)

RefSeq Size: 1679 bp

RefSeq ORF: 1509 bp

Locus ID: 72568

Cytogenetics: 1 H4

MW: 58.1 kDa