

Product datasheet for RR211602

Lin7b (NM_021758) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lin7b (NM_021758) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lin7b
Synonyms: MALS2; Veli1a; Veli2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211602 representing NM_021758
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGCGCTGGTGGAGCCGCTGGGGCTGGAGCGGGACGTGTCCCGGGCTGTGGAGCTGCTAGAGCGGC
 TGCAGCGTAGCGGAGAAGTGCCTCCGAGAAAGTGCAGGCCCTGCAGCGGTCTGCAGAGCCGCTTCTG
 CTCGCCATCCGCGAGGTGTATGAACAGCTCTATGACACGCTGGACATCACTGGCAGCGCCGAGGTGCGG
 GCTCATGCCACAGCAAGGCTACAGTGGCTGCTTTCACAGCCAGTGGGGCCATGCCATCCCAGGGTCCG
 TGGAACTACCGAAGACTGATGAGGGTTTGGGCTTCAACATCATGGGCGGCAAAGAGCAGAAGTCCGCCAT
 CTATATCTCTCGAGTCATCCCGGAGGTGTGGCTGATCGCCATGGTGGCCTCAAGAGGGGAGACCAGCTG
 CTGTCTGTGAATGGTGTGAGTGTGGAAGGCGAACACCATGAAAAGGCAGTGGAACTCCTGAAGGCCGCC
 AGGGCTCAGTGAACTGGTGGTGCCTACACCCCTCGGGTGTGGAGGAGATGGAAGCCCGCTTCGAGAA
 GATGCGATCTGCCCGTCGGCGCCAGCAGCACACAGCTACTCGTCCTTGGAGTCTCGAGGC

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211602 representing NM_021758
 Red=Cloning site Green=Tags(s)

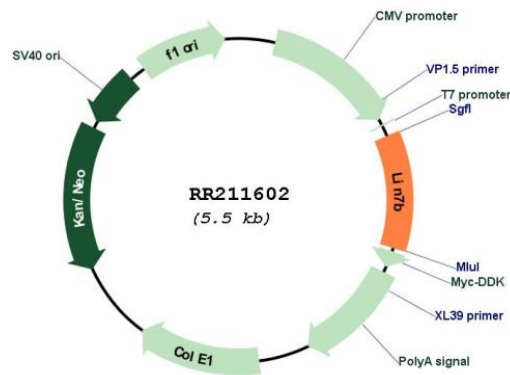
MAALVEPLGLERDVSRAVELLERLQRSGELPPQKLQALQRLVLSRFCSAIREVYEQLYDITLDTGSAEVR
 AHATAKATVAAF TASEGHAHPRVVELPKTDEGLGFNIMGGKEQNSPIYISRVIPGGVADRHGGLKRGDQL
 LSVNGVSVEGEHHEKAVELLKAAQGSVKLVVRYTPRVLEEMEARFEKMRSAARRRQHQHSYSLSERG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_021758

ORF Size: 621 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_021758.1](#), [NP_068526.1](#)

RefSeq Size: 624 bp

RefSeq ORF: 624 bp

Locus ID: 60377

UniProt ID: [Q9Z252](#)

Cytogenetics: 1q22

MW: 22.9 kDa

Gene Summary: one of several homologs of C.elegans lin-7; localizes to junctional complexes and synaptic junctions; may play a role in formation of cell-cell junctions [RGD, Feb 2006]