

Product datasheet for **RR206990**

Lin7a (NM_053514) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Lin7a (NM_053514) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Lin7a |
| Synonyms: | Veli1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RR206990 representing NM_053514 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACATTGACAGTGGTCCAGCCGCTTACTCTGGACAGAGATGTTGCAAGAGCAATCGAACTACTAG
AAAAGCCACAAGAATCCGGAGAAGTACCAGTGCACAAGCTGCAGTCTCTCAAAAAGGTGCTTCAGAGTGA
GTTTTGTACAGCAATCCGAGAGGTGTATCAATACATGCATGAAACGATTACTGTTAATGGCTGCCCTGAA
TTCCGTGCGAGGGCCACAGCAAAGGCAACAGTTGCGGCTTTTGCAGCCAGCGAAGGCCACTCCACCCCTC
GGGTAGTCGAACTGCCAAAGACTGATGAAGGCCTGGGTTTTAACGTGATGGGAGGAAAGGAACAGAATTC
TCCAATTTACATCTCCCGCATCATCCCTGGAGGGTGGCTGAAAGACACGGAGGCCTCAAAAGAGGAGAC
CAGTTGCTATCAGTGAACGGAGTGAGCGTGAAGGGGAACATCACGAGAAAGCTGTGGAACCTTCTCAAGG
CTGCTAAGGACAGTGTGAAGCTGGTTCGTCAGATACACCCCAAAAGTCTGGAGGAGATGGAGGCTCGTTT
TGAAAAGCTGAGGACAGCTCGGCGTCGGCAACAGCAACAGTTGCTTATTCAGCAGCAGCAGCAGCAGCAG
CAGCAGCCACAACAAAACCACATGTCA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206990 representing NM_053514
Red=Cloning site Green=Tags(s)

MATLTVVQPLTLDRDVARAIELLEKPKQESGEVPVHKLQSLKVKLQSEFCTAIREVYQYMHETITVNGCPE
 FRARATAKATVAFAASEGHSHPRVVELPKTDEGLGFNVMGKQNSPIYISRIIPGGVAERHGGLKRGD
 QLLSVNGVSVGEHHEKAVELLKAAKDSVKLVVRYTPKVL EEMEARFEKLRARRRQQQLLIQQQQQQQ
 QQPQQNHMS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_053514

ORF Size: 657 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_053514.1](#), [NP_445966.1](#)

RefSeq Size: 660 bp

RefSeq ORF: 660 bp

Locus ID: 85327

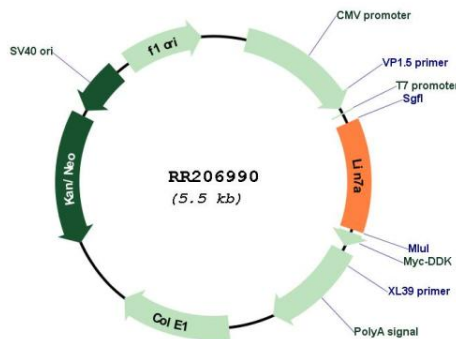
UniProt ID: [Q9Z250](#)

Cytogenetics: 7q21

MW: 24.5 kDa

Gene Summary: may mediate the formation of cell-cell junctions [RGD, Feb 2006]

Product images:



Circular map for RR206990