

Product datasheet for **RR209657**

Lpin1 (NM_001012111) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpin1 (NM_001012111) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lpin1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR209657 representing NM_001012111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATTACGTGGGGCAGTTGGCCGGCCAGGTGTTTGTGACGGTGAAGGAGCTCTACAAGGGACTGAACC
 CTGCCACGCTGTCAGGATGCATCGACATCATTGTTGTCCGCCAGCCCAATGGCAGTCTGCAGTGCTCCCC
 GTTCCACGTCCGCTTCGGGAAGATGGGTGTCTACGCTCCCGAGAGAAAGTGGTGGACATAGAAATCAAT
 GGGGAGTCTGTGGATTTGCACATGAAGTTGGGAGACAACGGAGAAGCGTTTTTTTGTCAAGAGACTGACA
 ACGATCAGGAAGTCATCCCCATGTACCTAGCCACGTCCCCATCCTGTCAGAAGGAGCTTCGAGAATGGA
 AAGCCAGTGAAGGAACTCTGTGGACAGAATCCGGGGCCTGGATCCCCTACAGCTGCCAGGGCCTG
 CCTCCAGCGACACCCCATCCACTGGTTCTCTGGGAAGAAGAGAAGGAAAAGGAGGAGGAAGGCCATT
 TGGACAATCTCAAAGAGATGACAATGTCAACACATCTGAGGACGAGGACATGTTTCCCATAGAGATGAG
 CTCGGATGAGGACACAGCACTGATGGATGGGAGCAGAGCTTTCCTAATGATGTACCACCATTCCAAGAT
 GATATTCCTAAGGAAAACCTCCCCTCGATTTCAACATATCCCCAGTCAGCATCGTACCCCAATTCAGACA
 GAGAGTGGTCCCCAGCCCCAGCAGCCTGGTAGATTGTCAGAGGACTCCCCCTCACCTGGCCGAGGGAGT
 TCTCTAGCTCTGTCTCTGCACTTGGCCACTTCCATGCTTCGAAAAGTCTTCAGGCTCCCGGCC
 TCAACACCAAAAAGTGATTCTGAGCTGGTCAGTAACTCTGCAGACAGATTGACGCCAAAAGAATAACCTGG
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 GAGTCATCCTCTAGTGAAGAGCACTCAGTACCAAGCCATCGAGCTCGAGCCACCTCTCTCTTGT
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 CCAGAATGGGTACAAGTTTCTATTGTTCTGACGTCGATGGGATGGCAGACATGACGAGGGGCTAT
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 GAAGAGAAGCCATTCTGCGACTTCCCCTGTTCCAGACACTTTCAGTAACCTCACCTTTGGAGAGAGCCA
 CTGCCACCCTTTGAAAACCAGGACGTGCATTACGCTCAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATTAAGTTTAA

Protein Sequence: >RR209657 representing NM_001012111
 Red=Cloning site Green=Tags(s)

MNYVQG LAGQVF VTKEL YKGLNPATLSGCIDII VVRQPNGSLQCSPFHVRF GKMGLVRSREKVV D I E I N
 GESVDLHMKLGDNGEAFVQETDNDQEVIPMYLATSPILSEGASRMESQLKRNSVDIRGLDPTTAAQGL
 PPSDTPSTGSLGKKRRRKAHL DNLKRDDNVNTSEDEDMFPIEMSSDEDTALMDGSRALPNDVPPFQD
 DIPKENLPSISTYPQASYPNSDREWSPSPSSLVDCQRTPPHLAEGVLSSCPLQSCHFHASESPSGSRP
 STPKSDSELVSKSADR LTPKNNLEMLWLW GELPQAAKSSSPHKMKDSSPLGGRKMADKIHFQTIHSESSD
 TFSQSP TMARGLLIHQSKAQTEMQFVNEEDLEALGAAAPPLSVAEELKAPASSTAQTSSKSDSPSRKKD
 KRSRHLGADGVYLLDLDMDPEVAALYFPKNGDPGGLPKQASDNGARSANQSPQSVGSSGIDSGVESTSD
 SLRDLPSIAISL CGGLSDHREITKDAFLEQAVSYQQFADNPAIIDDPNLVVKIGNKYNWTTAAPLLLAM
 QAFQKPLPKATVESIMRDKMPKGGRRWFSWRGRNATIKESKPEQGLPGKGHNTGEQPAQLGLTTRIKH
 ESSSSDEEHSATKSSSSHL SLLSNVSYKKT LRLTSEQLKSLKLNKPN DVVFSVTTQYQGT CRCEGTIY
 LWNWDDKVIISDIDGTITRSDTLGHILPTL GKDWTHQGI AKLYHKVSQNGYKFLYCSARAIGMADMTRGY
 LHWVNERGT VLPQG P L L L S P S S L F S A L H R E V I E K K P E K F K V Q C L T D I K N L F F P N T E P F Y A A F G N R P A D V Y
 SYKQVGVSLNRIFTVNPKGELVQEHAKTNISSYVRLCEVVDHVFLLKRSHSCDFPCSDTF SNFTFWREP
 LPPFENQDVHSASA

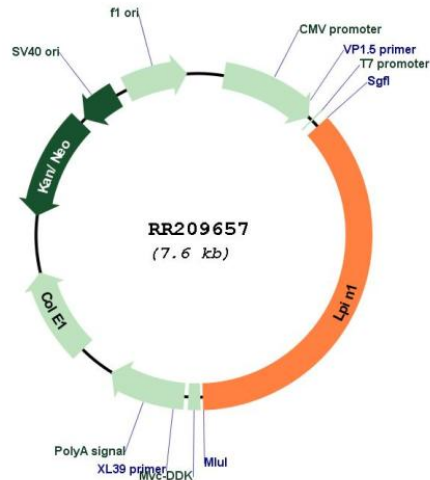
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001012111

ORF Size: 2772 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_001012111.1](#), [NP_001012111.1](#)

RefSeq Size: 3107 bp

RefSeq ORF: 2775 bp

Locus ID: 313977

Cytogenetics: 6q16

MW: 101.9 kDa