

Product datasheet for **RR211941**

Lrp10 (NM_001037777) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrp10 (NM_001037777) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrp10
Synonyms:	MGC124814
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR211941 representing NM_001037777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTATCGGCCCTCCCCTTTCTCTCCTCCTCCTCGGAGGTGCTCTGGCCCGCCAGACCGGATCCCTT
 TCCTAAATTCTGCTTGTGAGGCACCCCCAGCAGTACTCTTGAAGTACAAGGCACTTTACAGAGGCCTCT
 GGGCCGGGACAGCCGAAGCTCCCCTGCCAACTGCACCTGGGTTATTCTGGGCAGCAAGGAACAGACGGTA
 ACTGTCAGGTTCCAGAAGCTGCACCTGGCCTGTGGTTCAGAGCATTTAATCCTGCACTCCCCTCTACAGC
 CACCAGTCTCCCTGTGTGAGGCCCTGCCGGCCCTTTCAGCTACCAGGGGGCAATGTCACCATTACATA
 CAGCTATGCTGGGGCCAGAGCGCCATGGGCCAGGGCTTCTGCTGACTTACAGTCAAGACTGGCTGCTG
 TGCTGCAAGAAGAGTTCAGTGCCTAAACCACCGCTGCATACCAGCCGCTCAGCGCTGTGACGGGATCG
 ACGCCTGTGGTATGGCTCTGATGAGGCAGGCTGCCGCTCAGATCCATCCCTAACCCGGTCCCTGCGCC
 AACCCCGCCTGCAATCTCACCTTGGAGGACTTTTATGGGGTCTTTTCTCCCCTGGATATTCACATCTG
 GCCTCAGTCTCCACCCAGTCTGCCTGTGGCTGCTGGACCCACGATGGCCGGAGGCTGGCAGTGC
 GCTTACAGCCCTGGACTTGAGTTATGGAGATGCCGTGCATGTGTATGACGGCGCCGGGCCCTGAGAC
 CCCTCGACTGCTGCGTAGTCTCACCCACTTCAGCAATGGCAAGGCTGTCCTGTGGAGACCTGTCCGGT
 CAGGCTGTTGTGCTTACCACACAGTTGCTTGGAGCAATGGCCGGGGCTTTAATGCTACCTACCATGTCC
 GGGGCTACTGTTTACCTTGGGACAGACCTGCCGCTTGGGCTCGGGCTGGGGCTAGTAAAACCTCGG
 TGAGCGTGTCTATAGTGAGGCACAGCGCTGCGATGGCTCATGGGACTGTGCTGATGGCACAGACGAGGAG
 GGTTGCCCTGGCTGCCACCAGGGCACTATCCCTGCGGAGCTGCCGGCACCCCTGGCGCCACGGCTGCT
 ACCTGCTGCCGACCGCTGCAACTACCAGACGTTCTGCGCTGACGGAGCCGACGAGAGGCGCTGTGGCA
 TTGCCAGCTGGCAACTTCCGGTGCCGGGATGAGAAGTGTGTGTATGAGACGTGGGTGTGTGACGGGCAG
 CCGGACTGCACTGACGGCAGTGACGAGTGGGACTGCTCCTACGCCCTGCCCGAAAAGTATCACAGCAG
 CGGTATCGGCAGCCTGGTGTGTGGCCTGCTGCTGGTATCGCTCTTGGCTGCACCTGCAAGCTCTATGC
 CATTGACACCCAGGAGTACAGCATCTTTGCCCCCTCTCCCGGATGGAGGCTGAGATTGTACAGCAACAG
 GCACCCCTTCTATGGACAGCTTATTGCCAGGGTGTATCCCACCTGTAGAAGACTTCCCACGGAGA
 ACCCCAATGACAACTCTGTGCTGGGAACCTACGTTCTCTGCTTACAGATCTTGCAGGATATGACTCC
 AGGAGTACTTCCGGGGCCGGCTCGCCAGCGTGGCCGCTCAGTTCGTGGCTGGTTCGACGGCTCCGT
 CGTTGGGGCTGCTTCTCGAACAAATACTCCGGCTCGGGCTCCTGAGACCAGATCCAGGCCACACCTT
 CTGTTCCCTCTGAGGCCCTGGATGACAGCACAGTCAAGCCTGTGAGGGTGGGGCAGTAGGAGGGCAGGA
 TGGGGAGCAGGCTCCTCCACTACCCATCAAGTCCCCATACCAACCCCAAGCACACTTCCAGCCCTTGT
 ACTGCCTCTGAACCTCCAGGGCCACTACCTCAGTGCCTGTAGAATCATCACTGTTGTCTGGAGTTGTCC
 AGGTCTACGAGGCCGCTCCTACCCAGCCTGTGGCCCCAGGCCCACTTGGACCCCACTGGAAGTCA
 CACAGCAGTCTGCCTCTAGAGGATGAGGATGATGTATTGTTGATGCCATTGGCTGAGCCAGAAGTCTGG
 GTGGTTGAGGCAGAGGATGAACCACTGCTTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211941 representing NM_001037777
 Red=Cloning site Green=Tags(s)

MLSALPFLLLLLGGALARPDRIPFLNSACEAPPAVLLEVQGTLQRPLGRDSRSPANCTWVILGSKEQTV
 TVRFQKLHLACGSEHLILHSPLQPPVSLCEAPAGPLQLPGGNVTITYSYAGARAPMGQFLLTYSQDWLL
 CLQEEFQCLNHRICIPAAQRCDGIDACGDGSDAEGCRSDPFNPVPAPTPCNLTLDEFYGVFSSPGYSHL
 ASVSHPQSCLWLLDPHDGRRLAVRFTALDLSYGDVAVHVDGAGPPETPRLLRSLTHFSNGKAVTVETLSG
 QAVVSYHTVAWSNGRGNATYHVRGYCLPWDRPCGLGSLGASENLGERCYSEAQRCDGSWDCADGTDEE
 GCPGCPPGHYPGGAAGTPGATACYLPADRCNYQTFCADGADERRCRHCQPGNFRDEKCVYETWVCDGQ
 PDCTDGSDEWDCSYALPRKVITAAVIGSLVCGLLLVIALGCTCKLYAIRTQEYSIFAPLSRMEAEIVQQQ
 APPSYQLIAQGAIPPVEDFPTENPNDNSVLGNLRSLLQILRQDMTPGGTSGRRRQRGRSVRRLVRRRLR
 RWGLLPRNTNPARAPETRSQATPSVPSEALDDSTGQACEGGAVGGQDGEQAPPLPIKSPIPTSTLPALA
 TASEPPGPLSPVPESSLLSGVVQVLRGRLLPSLWPPGPTWPTGTHTAVLPLEDEDDVLLMPLAEPEVW
 VVEAEDEPLLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001037777

ORF Size: 2133 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_001037777.1](#), [NP_001032866.1](#)

RefSeq Size: 2941 bp

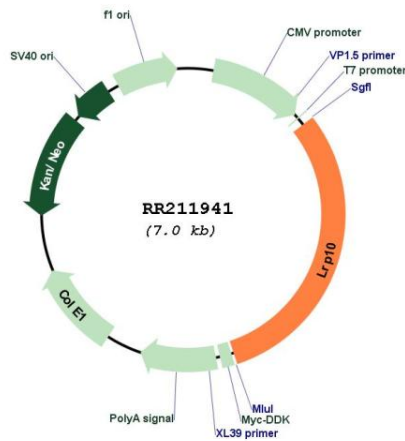
RefSeq ORF: 2136 bp

Locus ID: 305880

Cytogenetics: 15p13

MW: 76.3 kDa

Product images:



Circular map for RR211941