

Product datasheet for **RR214550**

Lrp12 (NM_001134883) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrp12 (NM_001134883) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrp12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR214550 representing NM_001134883
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCGTCGCTGGAGCACAAAGGAGTCTCCGCGCGGGGGTCGGCGTGGCTCTTGCTTTTCCTCGCTG
 GGGTGTACGGAAATGGTCTCTTGCAGAACTTTCCGAAATGTGCATATTTAGGAGTGTCAACTGCTTG
 TGGTGAGACTCCAGAACAATTCGAGGGCCGACTGGAATAATCACGAGCCAGGCTGGCCTTCAGACTAC
 CCCGCCAAGATCAACTGTAGCTGGCTCATACGGGCAAACCCAGGGGAGATCATTACTATAAGTTTTCAGG
 ATTTTGATATCCAGGGTCCAGGAGATGCATTTGGACTGGCTGACAATAGAAACATACAAGAATATTGA
 AAGTTACAGAGCTTGTGGGTCCACAATTCGCCTCCGTATATCTTTCACAAGACCACGTTTGGATCCGG
 TTCCACTCAGATGACAGTGTGCCAGGAAAGGCTTCAGGTTGGCGTATTTTTCAGGGAAATCGGAGGAGC
 CACACTGTGCCTGTGACCAGTTCGCTGTGGCAATGGGAAGTGCATTCGGAAGCCTGGAAGTGAACAG
 CATGGACGAGTGTGGAGATAGCTCTGACGAGGAGGTCTGTGTCCAAGACGCTACCCCCAACACGACC
 GCATTCAGCCCTGCGCCTACAACAGTTCAGTGTCTGTCCCGCTTCACCAAGTTTACACTTGCCTCC
 CTGAGTCTTGAAGTGTGATGGCAACATTGACTGCCTGGACCTGGGAGATGAGATCGACTGTGATATGCC
 GACATGCGGGCAGTGGTTAAATACTTCTATGGAACCTTTAGTTCTCCCACTACCCGACTTTTACCCT
 CCTGGAAGTAACGTACCTGGCTGATAGACACTGGCGATCATCGGAAAGTCATCTTACGTTTACTGACT
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 GCTTTTGCAGTGCTAACTGCTTTTATTCTCACGCTCCCTGACAGTCGTTTCTTCTCCGGACAGATA
 AGAGTGCATTTTGTGCTGACAAAGTGAACGCTGCCAGAGGCTCAATGCTACTTACCAAGTCGACGGCT
 TCTGTTTGGCGTGGGAAATACCTGTGGGGTAAGTGGGGTGTACACAGAGCAGCAGCTGTGATGG
 CTACTGGCATTGCCAAACGGAAGGGATGAGATCAACTGTACCATGTGCCAAAGGAAGAAATTTCCATGT
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 ATGAAAAAACTGCTTCTTTGCCAGCCAGGGAATTTCCACTGCAAGAACAACCGCTGTGTGTTGAAAG
 CTGGGTGTGACTCACAGGATGACTGTGGGACGGCAGCGATGAGGAGAGCTGCCCGGTATTGTGCC
 ACCCGAGTCATAACAGCAGCCGTCATCGGGAGCCTGGTCTGTGGCTGCTGCTTGTCTGCTGCTGGCT
 GCATTTGCAAGCTCTATTCTAAGGATGTTTGAAGCGAGATCATTTGAGACCCAGTTGTACGAGTGGA
 AGCAGAGCTGCTGCGAAGAGAGGCTCCTCCCTCATATGGACAGCTGATCGCGCAGGGCCTAATCCCTCCG
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 CTCAGCTGGGATTTCTTCTATCAGACTTCCTATGACAGGCAGATCTCGAAATATTTGGAATCGTATTTT
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 AGCCAGAGCAGCAGCAGAGAGACTGAAAGGAGTCAACCTCACAGAAGCTTGTTTTCCGCGGAGTCTGATG
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 CTCCACAAACCAGAACCGGAGTCTTTGAGACAGCTTGACACCGGGGTGAGTGGGAAGAGAAGACGACGAT
 GACGTTGAAATGCTAATTCCTGTTTCTGATGGAGCTTCGGACATTGATGCCAATGAATGCTCCAGACCTC
 TTCTTGATCTTGCTCAGACCAAGTACAAGGGTTTAGACAGCCACAGTTTCAAGAAACCTGGAGCGAG
 AACAAGTAACCGGGACGGCCCTGCGAGCGCTGTGGCATTGTGCACACGGCCAGATACCAGACACTTGC
 TTAGAAGCGGCAGTGAAACTGAAGCGTGTGATGACGAGGCTTTGCTGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214550 representing NM_001134883

Red=Cloning site Green=Tags(s)

MARRWSTKESPRRGSALLLFLAGVYNGALAESENHISGVSTACGETPEQIRGPTGIITSPGWPSDY
PAKINCSWLIRANPGEIITISFQDFDIQGSRRCTLDWLTIIETYKNIESYRACGSTIPPPYISSQDHVWIR
FHSDDSVSRKGFRLAYFSGKSEEPHCACDQFRCGNGKCIPEAWKCNSMDECGDSSDEEVCVQDAHPPTTT
AFQPCAYNQFQCLSRFTKVYTCLPESLKCDGNIDCLDLGDEIDCDMPTCGQWLKYFYGTFSNPYPDFYP
PGSNCTWLIDTGDHRKVILRFTDFKLDGTGYGDYVKIYDGLEENPRKLLRVLTAFDASHAPLTVVSSSGQI
RVHFCADKVNAARGFNATYQVDGFCLPWEIPCGGNWGCYTEQQRCDGYWHCPNGRDEINCTMCQKEEFPC
SRNGVCYPRSDRCNYQNHCPNGSDEKNCFFCQPGNFHCKNNRCVFESWVCDSDDCGDSDEESCPVIVP
TRVITAAVIGSLVCGLLLVIALGCTCKLYSLRMFERRSFETQLSRVEAELLRREAPPSYQGLIAQGLIPP
VEDFPVCSPNQASVLENLRLAVRSQLGFPSIRLPMTGRSRNIWNRIFNFARSRHSGSLALVSGDGEVVP
SQSSSRETERSHPHRSLFSAESDDTDENERRDTAGASGGVAAPLPQKVPPTTAVEATVGTGGNSSAQST
RGGHADGREVSSVEAPSVSPARHQLTSALSRMTQGLRWVRFTLGRSSSTNQNRSPRLQLDTGVSGREDD
DVEMLI PVSDGASDIDANEC SRPLDLASDQVQGF RQPHSSGNPGARTSNRDGPCERC GIVHTAQIPDTC
LEAAVKTEACDDEALLC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001134883
ORF Size:	2574 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_001134883.1, NP_001128355.1

RefSeq Size: 4040 bp

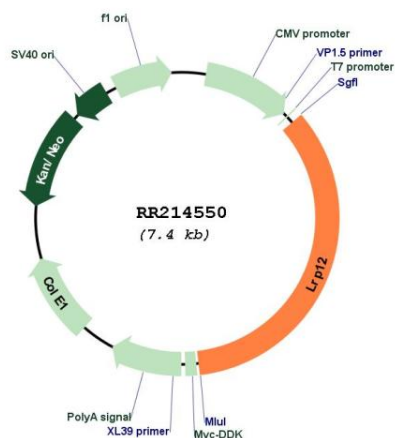
RefSeq ORF: 2577 bp

Locus ID: 314941

Cytogenetics: 7q31

MW: 94.6 kDa

Product images:



Circular map for RR214550