

Product datasheet for RR210545

Lrp5 (NM_001106321) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrp5 (NM_001106321) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrp5
Synonyms:	MGC188568
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210545 representing NM_001106321 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACGGCGCCGACCCGGGCCCTCCGCCGCCGCCGAGCCGCTGTTGCTGCTGCTGGCGCTGTGCT
GCAGCCTAGTCCCGCTGCGGCCACCCTCCTGTTGTTTCCAACCGCCGGGATGTACGACTAGTGGA
TGCTGGTGGAGTGAAGCTGGAGTCCACCATTGTGGCCAGTGGTCTGGAGGACGACGCTGCTGTAGACTTC
CAGTTCTCCAAGGGTGTGTACTGGACAGATGTGAGCGAGGAGGCCATCAAACAGACCTACCTGAACC
AGACTGGAGCTGCTGCACAGAATTGTATCTCTGGCCTTGATCACCTGATGGCTGGCCTGTGACTG
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GGGCGAGATCGGCATGTCTGGTGAACACCTCCCTTGGGTGGCCAATGGACTGGCCCTGGACCTGCAGG
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Protein Sequence: >RR210545 representing NM_001106321
 Red=Cloning site Green=Tags(s)

METAPTRAPPPPPQPLLLLLALCCSLVPAASPLLLFANRRDVRLLVDAGGVKLESTIVASGLEDAAAVDF
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 SRKVLFWQDLDPRAIALDPAHGMYMYWTDWGEAPRIERAGMDGSTRKII VSDIYWPNGLTIDLEEKLY
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 PMDIQVLSQERQPPFHTPCEE GNGGCSHLCLLSPREPFYSCACPTGVQLQDNGKTKAGAEVLLARRT
 DLRRISLDTPDFTDIVLQVQDIRHAI AIDYDPLEGYVYWTDDEVRAIRRAYLDGSGAQT LVNTEINDPDG
 IAVDWVARNLYWTDGTDRIEVTRLNGTSRKILVSEDLDEPRAIVLHPVMGLMYWTDWGENPKIECANLD
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 LELLSDMKT CIIPEAFLVFTSRATIHRISLETNNNDVAIPLTGVKEASALDFDVSNNHIYWTDVSLKTIS
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 IADDLPYPFGLTQYSDIYWTDWNLHSIERADKTSGRNRTL IQGHLDFVMDILVFHSSRQDGLNDCVHSN
 GQCQLCLAIPGGHRCGCASHYTLDPSSRNCSPSTFLLFSQKFAI SRMIPDDQLSPDLILPHGLRNVK
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 HRLDGDAMGVVLRGDRDRPRAIAVNAERGYMYFTNMQDHA AKIERASLDGTEREV LFTTGLIRPVALVVD
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 VQGRVTHLTGIIHAVEEV SLEEFSAHPCARDNGGCSHICIAKGDGTPRCSCPVHLVLLQNLLTCGEPPTCS
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 GQCVLIKQQCDSFPDCADGSD ELMCEINKPPSDDVPAHSSAIGPVIGIILSLFVMGGVYFVCQRVMCQRY
 TGASGPFPH EYVGGTPH VPLNF IAPGGSQHGPFGIPCSKSMSSVSLVGGRGSVPL YDRNHVTGASSSS
 SSSTKATLYPPI LNPPPSPATDPSLYNMDMFYSSNIPSTARPYRPIYIRGMAPPTTPCSTVD CDSYSTS
 RWKTSKY YLDLNSDSDPYPPPTPHSQYLSAEDSCPPSPVTERSYCHLFP P P P P S P C T D S S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2304_b01.zip

Restriction Sites: SgfI-MluI

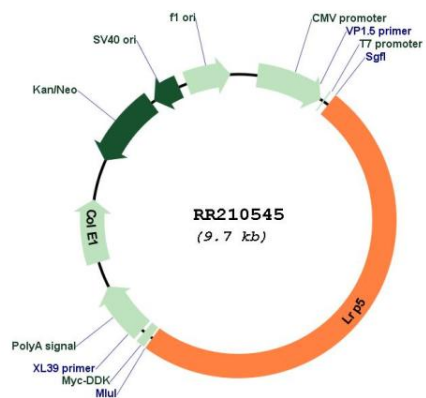
Cloning Scheme:



ACCN: NM_001106321

ORF Size:	4800 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_001106321.2 , NP_001099791.2
RefSeq Size:	5101 bp
RefSeq ORF:	4803 bp
Locus ID:	293649
Cytogenetics:	1q42-q43
MW:	177.9 kDa

Product images:



Circular map for RR210545