

## Product datasheet for RN210545

### Lrp5 (NM\_001106321) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrp5 (NM\_001106321) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lrp5  
**Synonyms:** MGC188568  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN210545 representing NM\_001106321  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACGGCGCCGACCCGGGCCCTCCGCCGCCGCCGAGCCGCTGTTGCTGCTGCTGGCGCTGTGCT  
 GCAGCCTAGTCCCGCTGCGGCCTCACCCTCCTGTTGTTTCCAACCGCCGGGATGACGACTAGTGGA  
 TGCTGGTGGAGTGAAGCTGGAGTCCACCATTGTGCCAGTGGTCTGGAGGACGCAGCTGCTGACTTC  
 CAGTTCTCCAAGGTGCTGTGTACTGGACAGATGTGAGCGAGGAGGCCATCAAACAGACCTACCTGAACC  
 AGACTGGAGCTGCTGCACAGAACATTGTATCTCTGGCCTTGATCACCTGATGGCCTGGCCTGTGACTG  
 GTTGGCAAGAAGCTGTACTGGACAGACTCAGAGACCAACCGCATCGAGGTGGCCAACTCAATGGGACG  
 TCCCGTAAGGTTCTTTCTGGCAGGACCTGGACCAGCCAAGGGCCATTGCCCTGGATCCTGCACATGGGT  
 ACATGTACTGGACTGACTGGGGGAAGCACCCCGGATCGAGCGGGCAGGGATGGATGGCAGTACCCGGAA  
 GATCATTGTAGACTCCGACATTTACTGGCCCAATGGGCTGACCATTGATCTGGAGGAGCAGAAGCTGTAC  
 TGGGCTGATGCCAACTCAGCTTCATCCACCGTGCCAACCTGGACGGCTCCTTCCGGCAGAAGGTGGTG  
 AGGGCAGCCTCACTACCCCTTTGCCCTGACACTCTCTGGGACACACTCTACTGGACAGACTGGCAGAC  
 CCGTTCTATCCACGCTGCAACAAGTGGACAGGGGAGAAAAGGAAGGAGATCCTCAGTGCTCTGTATTCA  
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 ACAGTTGCAGGACAATGGCAAGACGTGTAAGGCAGGGGCTGAGGAAGTGTGCTGCTGGCCCGGAGGACA  
 GACCTGAGAAGGATCTCTGGACACCCCTGACTTCACAGACATAGTGTGCAAGTGGGCGACATTCGGC  
 ATGCCATCGCCATCGACTATGACCCACTGGAGGGCTACGTGTACTGGACAGATGACGAGGTGCGGGCTAT  
 CCGCAGGGCGTACCTGGATGGCTCAGGTGCGCAGACCCTTGTGAACCCGAGATCAATGATCCCGATGGC  
 ATTGCCGTGGACTGGGTGCCCCGAACCTCTACTGGACAGATACAGGCACTGACAGAATTGAGGTGACTC  
 GCCTCAACGGCACCTCCCGAAAGATCCTGGTGTCCGAGGACCTGGACGAACCTCGCGCCATTGTGTGCA  
 CCCTGTGATGGGCTCATGTACTGGACAGACTGGGGAGAGAACCCCAAAATCGAATGTGCCAACCTAGAT  
 GGGCGAGATCGGCATGTCTGGTGAACACCTCCCTTGGGTGGCCAATGGACTGGCCCTGGACCTGCAGG



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AGGGCAAGCTGTACTGGGGGATGCCAAAAGTATAAAATTGAGGTGATCAACATAGACGGGACAAAGCG  
GCAGACCTGCTAGAGGACAAGCTCCCGCACATTTTTGGGTTCACTCTGCTTGGGGACTTCATCTACTGG  
ACAGATTGGCAGCGACGCAAGTATTGAGAGGGTACACAAGGTCAAGGCCAGCCGGGATGTCATCATCGATC  
AACTCCCCGACCTGATGGGACTCAAAGCAGTGAACGTGGCCAAGGTTGTCGGAACCAACCCGTGTGCGGA  
TGGAAATGGAGGGTGCAGCCATCTGTCTTCCACCCACACGCCACCAAGTGGCGTGGCCCATAGGC  
CTGGAGCTGCTGAGTGACATGAAGACCTGCATAATCCCTGAAGCCTTCTGGTGTTCACCAGCAGAGCCA  
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ACTAAAGGCTACATCTACTGGACCGAGTGGGGAGGCAAGCAAGGATCGTGGGGCTTCATGGATGGGA  
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CTTCGTCATGGACATCCTGGTGTTCACCTCCCGTCAGGATGGCCTCAACGACTGCGTGCACAGCAAT  
GGCCAGTGTGGGAGCTGTGCTCGCCATCCCCGGAGGCCACCGTGGCGCTGTGCTTCCACTACACGC  
TGGACCCAGCAGCCGCAACTGCAGCCGCCCTCCACCTTCTGTGTTAGCCAGAAATTTGCCATCAG  
CCGGATGATCCCCGATGACCAGCTCAGTCCGGACCTTATCCTACCCTACACGGGCTGAGGAATGTCAA  
GCCATCAACTACGACCCGCTGGACAAGTTCATCTACTGGTGGATGGGCGTCAGAACATCAAGAGGGCCA  
AGGACGACGGTACCCAGCCCTCCATGCTGACCTCTCCAGCCAAGCCTGAGCCAGACCGACAGCCACA  
TGACCTCAGCATTGACATCTACAGCCGGACACTGTTCTGGACTGTGAGGCCACCAACCATCAATGTC  
CACCGGCTGGATGGGGATGCCATGGGAGTGGTGTCTCGAGGGGACCGTGACAGACCAAGGGCCATTGCTG  
TCAATGCTGAGCGAGGGTACATGTACTTTACCAACATGCAGGACCATGCTGCCAAGATTGAGCGAGCCTC  
CCTGGATGGCACGGAGCGTGAGGTTCTCTTACCACCGGCCTTATCCGTCTGTGGCCCTTGTGGTGGAC  
AATGCCCTGGGAAGCTCTTCTGGTGGATGCAGACCTAAAGCGCATTGAAAGCTGCGACCTCTCAGGGG  
CCAACCGCTGACCCTGGAAGATGCCAACATCGTGCAGCCAGTAGGTCTGACGGTGTGGGGAGGCACCT  
CTACTGGATCGACCGCCAGCAGATGATTGAGCGTGTGGAGAAGACCACTGGGACAAGAGGACTAGG  
GTTGAGGGCCGTGTACCCACCTGACGGGCATCCATGCTGTGGAGGAAGTCAAGCTGGAGGATTCTCAG  
CCCATCCTTGTGCCGAGACAATGGCGGCTGCTCCATATCTGCATCGCCAAGGGTGTGGACACCGCG  
CTGCTCATGCCAGTCCACCTCGTCTCCTGCAGAACCTGCTGACTTGTGGTGGAGCTCCTACCTGCTCC  
CCTGATCAGTTTGCATGTGCCACTGGTGGATTGACTGCATCCCTGGAGCCTGGCGCTGTGACGGCTTCC  
CTGAGTGTGCTGACCAGAGTGTAGGAAGGCTGCCAGTGTGCTCTGCCTCTCAGTTCCCTGTGCTCG  
AGGCCAGTGCCTGGACCTGCGTTACGCTGCGATGCTGTCTGTCTCCCAATCAGTTCGGTGGCCAGT  
GGCCAGTGCCTCATCAAGCAGCAGTGCATTCCTTCCCCGACTGTGCTGATGGATCTGATGAGCTCA  
TGTGTAAATCAACAAGCCACCTTCTGATGACGTACCAGCCACAGCAGCGCCATTGGGCTGTGCTTGG  
CATCATCTGTCCCTCTTCGTGATGGGCGGGTCTACTTTGTCTGCCAGCGTGTGATGTGCCAGCGTTAC  
ACAGGGCCAGTGGTCCCTTTCCCCACGAGTATGTTGGTGGAAACCCCTCATGTGCTCTCAACTCATAG  
CCCCAGTGGCTCACAGCACGGTCCCTTCCCAGGCATCCCGTGCAGCAAGTCCATGATGAGTTCTGTGAG  
CCTGGTGGGGGGCGGGGACGCTGCCCTCTATGACCGGAATCAGTCAACCGGGCCTCATCCAGCAGT  
TCATCCAGCACAAAGGCCACACTCTATCCACCGATCCTGAACCCACCACCGTCCCCGGCCACAGACCCCT  
CCCTGTACAACATGGACATGTTTTATTCTTCAAACATCCCATCCACTGCCAGACCATACAGGCCCTACAT  
CATTGAGGATGGCACCCCAACAACACCTTGCAGCACAGAGCTGTGTGACAGCGACTACAGCACCAGT  
CGCTGGAAGACCAGCAAGTACTACCTGGACTTGAATTCGACTCAGACCCCTACCCGCCCCCGCCACTC  
CCCACAGCCAGTACCTGTCTGCAGAGGATAGCTGTCCACCCTCTCTGTCACTGAGAGAAGTACTGCCA  
CCTTTCCACCCCTCCATCCCTGCACGGACTCGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

<b>ACCN:</b>	NM_001106321
<b>Insert Size:</b>	4803 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001106321.2</a> , <a href="#">NP_001099791.2</a>
<b>RefSeq Size:</b>	5101 bp
<b>RefSeq ORF:</b>	4803 bp
<b>Locus ID:</b>	293649
<b>Cytogenetics:</b>	1q42-q43