

## Product datasheet for **SC118677**

### LRP3 (NM\_002333) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRP3 (NM_002333) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_002333, the custom clone sequence may differ by one or more nucleotides

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ATGGAGAAGCGCGGCCGCGGGCTGGAGGGCGCGCCGGCGCCGGGGCGCAGCTGGCCGTCGTCTGTC
TGGTGAACATCTTCTCACCGGGAGACTCAGCAGTGCGGTTCTGCCTTAGCGGCCCTGCAGTGGGAAGT
GGAGCAGCACACGGAGCGCGTGGGGTCATCTACAGCCCGCCCTGGCCCCCAACTACCCGCCAGGCACC
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AGGAGTCCCACCAGTGCTCCCTGGACTGGCTCCTGCTGGGCCAGCAGCCCCACCCGCCAGGAGGCCTT
CCGCCTCTGTGGCTCCGCCATCCCACCTGCCTTACCTCTGCCCGCGACCATGTCTGGATTTTCTCCAC
TCAGACGCCTCCAGCTCCGGCCAGGCCAGGGCTTCCGCTGTCTTACATCCGAGGGAAGCTGGGCCAGG
CATCTGCCAGGCAGATGAGTCCGCTGTGACAACGGCAAGTGCCTGCCCGGCCCGTGGCAGTGCAACAC
GGTGGACGAGTGTGGAGACGGCTCTGATGAGGGCAACTGCTCGGCGCCCGCTCCGAGCCTCCAGGCAGC
CTGTGCCCGGGGGACCTTCCCATGCAGCGGGCGCGCTCCACGCGCTGCCTGCCTGTGGAGCGGCGCT
GTGACGGCTTGCAGGACTGCGGGCAGCGCTCGGATGAGGGCGGGTGCCTCCGAGCCTGGCGTGGGCCGGG
GCTGGGCAGCTTCTACGGCTCCTTTGCCTCCCCAGACCTGTTCCGCGCCGCTCGCGGGCCCTCAGACCTT
CACTGCACGTGGCTGGTGGACACACAGGACTCCCGGCGGGTGTCTGCTGCAGCTGGAAGTGCGGCTGGGT
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GCCCCGAGCGCCGGCCACGGCTTCAATGCCACCTACCAGGTGAAGGGCTATTGCCTCCCCGGGAGCAGC
CGTGCGGGAGCAGTAGTGACAGTGACGGGGCAGCCTGGGCGACCAGGGCTGCTTCTCAGAGCCACAGCG
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TACCCCTGCGAGGGTGGCAGTGGTCTGTGCTACACGCTGCCGACCGCTGCAACAACAGAAAAGTGTG
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CATCTTCGAGACGTGGCGCTGTGACGGCCAGGAAGACTGCCAGGACGGCAGCGATGAGCATGGGTGCCTG
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TCGCGCTGGGCTGCGCCTTCAAGCTCTACTCACTGCGCACGCAGGAATACAGGGCCTTCGAGACCCAGAT
GACGCGCCTGGAGGCTGAGTTCGTGCGGCGGGAGGCACCCCATCCTATGGTCAGCTCATCGCCAGGGC
CTATTCCACCCGTGGAGGACTTCTGTCTACAGTGCCTCCAGGCCTCTGTGCTGCAGAACTTCGCA
CAGCCATGCGGAGACAGATGCGTCGGCACGCCTCCCGCCGGGGCCCTCCCGCCCGCCCTCGGCCGCT
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TCACAGACCGTGTGGGGATGGCTTCTCCAGCCTGCTCCAGGGGCTGCCCCCGACCCCCAGCACCAGC
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GGGACCTTCAGGGCCACCTTGCCTCGGGCTGCGAGACCCAGAGTGCAGGCCCGTGGACAAGGACAGA
AAGGTCTGCAGGGAGCCACTGGTAGACGGCCAGCTCCTGCAGATGCACCTCGGGAGCCCTGCTCAGCCC
AGGACCCGACCCCAAGTCTCCACTGCCAGCAGCACCCTGGGCCCCACTCGCCAGAGCCACTGGGGGT
CTGCAGGAACCCCGCCCGCCCTGCTCCCAATGCTGGAGGCCAGCGATGATGAGGCCCTGTTGGTCTGT
TGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002333 unedited</p> <p>TATAGGCGGCCGCGAATTCGGCACGAGGCCTCGTGCCGAATTCGGCACGAGGCCGAGCCC  GAGCCCGAGCCGAGCCAGAGCCAGAGCCGAGCCGAGCCGAGCCAGAGCCAGAGCCGAGCCG  CAGCCGGAACCGAGCCGAGCCGAGCCGAGCCGAGCCGAGCCGAGCCGAGCCGAGCCGAGCCG  GGCATGGAGAAGCGCGCGCCGCGGGGCTGGAGGGCGCGCCGGGCGCCCGGGCGCAGCTG  GCCGTCGTCTGTCTGGTGAACATCTTTCTACCCGGGAGATCACAGTGCAGTTCTGCCTT  AGCGCCTGCAGTGGGAAGCTGGAGCAGCACACAGAGCGGGCGTGGGGTCACTACAGCC  CGGCCTGGCCCTCAACTACCCGCCAGGCACCACTGCAGCTGGTACATCCAGGGCGACC  GGTGGTGACATGATTACCATCAGCTTCCGCACTTTGACGTGNNAGGAGTCCCACCACTGC  TCCCTGGACTGGCTCCTGCTGGGCCAGCAGCCCAACCCGCCAGGAGGCCTTCGCCTTC  TGTGGCTCCGCCATCCCACCTGCCTTCTCTGCCCCNACCATGNTTGGGATTTTCTT  CCACTCAGACGCCTNCAGCTCCGGCCAGGCCAGGNCTTNCCTGTGTCTACTNCCGAGGG  AAGCTGGGCCAGGCATCCTGCCAGCAAAAAGAGTNCCCGTGTGACAACGGCAGTGCCTG  CCCGGCCGTTGGCAGGCACAACGGTGGACCAATGGGAAACGGCTCTTGAGAGGGCACTG  GCTCGGGGCGCCCTTCGAGCCTNCAGCAGCTGGGCCCGGGGGGGACCTTCATTACAGG  GGGGGCGCGCTACCCCTGCTGCTGGGAACGGGCTTGACAGTTCAGATTGGGGAC  AGCTCGTTATAGAGGGGCTTTCCAACTGTGGGGGGCGGGGGTTGGGAATTTTATAGG  TTTTTGCTTCCAACTTGTGGGCCTTTGGGGCCCTAAATTTTTTGCCTGTGGTGGGAC  CAAGAAATCAA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002333 unedited</p> <p>TATGGACCGCGGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTCA  GGGTAAAAATGACTGTGTATTCCCTGGTTACAAAGCGGGGCTGTGGCGGTACCAGCGAG  CCCAGCGGTCAACAGACCAACAGGGCCTCATCATCGCTGGCCTCCAGCATTGGGGAGCAG  GGGGGCGGGGGTTCTGCAAAACCCCACTGGCTGCGGAGTGGGGGCCAGGGTGTCTG  CTGGCAGTGGAAACCTGGGGGTGCGGGTCTGGGCTGAGCAGGGCTCCCGAGGTGCATCT  GCAGGAGCTGGGCGCTGCCAGTGGCTCCCTGCAAACTTTCTGTCTTGTCCACGGGC  CTGCACTCTGGTCTCGCAGGCCCGAGGGCAAGGGTGGCCCTGAAGGTCCCACCTCCGGT  GCACGGCCGGGGCACTGGGGGCTGTCTCCGGCCCGCTGGTGTGCTGTGTCCATG  ACCGGTCTGGGGGTGCGGGGCACCCCTGGAGCAGGCTGGAGGAAGCCATCGCCACCC  CGGTCTGTGAGGGGCTGCTGCGGTACCATCGGGATCTGGCCTCGGTGCGCCCGGGGCC  CGTGA AAAAACCCGTCCCAAAAGCGTCCCAAGTGTGGCGGGAGGGCCCGGNGCGAGT  GGGTGCCACCCTTTTGTTCATGCTCGCAAAAATTCTTAATCTTTTGGCGGGCCCC  CCTGCTTCTGAACCTCCCCCGTTGGCATCTGGCTCCTGCCCTTATTTCCCTTGCCC  GGGGCNCCTCCCTCCCCCTTTCCCCCGCCTTTCTTTTGGTTCTCTGCCTCTN  TTTCTCTNCTCCTTGCCTTCTTTTCCCCCTCCCTTTTCTTTTTCGGCTCTCTGCCTCT  CACTTCTCCTCTGTTCTCTCTTTCTCCCTTCGTCATGCTCTATCTCTCTTCAAAA  AAAAAAAAC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002333
<b>Insert Size:</b>	2440 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_002333.1</a> , <a href="#">NP_002324.1</a>
<b>RefSeq Size:</b>	2601 bp
<b>RefSeq ORF:</b>	2313 bp
<b>Locus ID:</b>	4037
<b>UniProt ID:</b>	<a href="#">O75074</a>
<b>Cytogenetics:</b>	19q13.11
<b>Domains:</b>	CUB, ldl_recept_a
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	Probable receptor, which may be involved in the internalization of lipophilic molecules and/or signal transduction. Its precise role is however unclear, since it does not bind to very low density lipoprotein (VLDL) or to LRPAP1 in vitro.[UniProtKB/Swiss-Prot Function]