

Product datasheet for **SC337797**

LRP5 (NM_001291902) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRP5 (NM_001291902) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRP5
Synonyms:	BMND1; EVR1; EVR4; HBM; LR3; LRP-5; LRP-7; LRP7; OPPG; OPS; OPTA1; PCLD4; VBCH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001291902, the custom clone sequence may differ by one or more nucleotides

```

ATGAAGGATGAGAGGACAGAGGACGTGATGCTTGTGCTGCATTGCCTGCAGTCCTGGGAACCAACCCGT
GTGCGGACAGGAACGGGGGTGCAGCCACCTGTGCTTCTTACACCCCACGCAACCCGGTGTGGCTGCCC
CATCGGCTGGAGCTGCTGAGTGACATGAAGACCTGCATCGTGCCTGAGGCCCTTCTTGGTCTTACCAGC
AGAGCCGCCATCCACAGGATCTCCCTCGAGACCAATAACAACGACGTGGCCATCCCGCTCACGGGGTCA
AGGAGGCCTCAGCCCTGGACTTTGATGTGTCCAACAACCACATCTACTGGACAGACGTGACGCTGAAGAC
CATCAGCCCGCCTTTCATGAACGGGAGCTCGGTGGAGCACGTGGTGGAGTTTGGCCTTGACTACCCCGAG
GGCATGGCCGTTGACTGGATGGGCAAGAACCTCTACTGGCCGACACTGGGACCAACAGAATCGAAGTGG
CGCGGCTGGACGGGACGTTCCGGCAAGTCTCGTGTGGAGGGACTTGGACAACCCGAGGTCGCTGGCCCT
GGATCCCACCAAGGGCTACATCTACTGGACCGAGTGGGGCGGCAAGCCGAGGATCGTGGGGCCTTTCATG
GACGGGACCAACTGCATGACGCTGGTGGACAAGGTGGGCCGGGCAACGACCTCACCATTGACTACGCTG
ACCAGCGCTCTACTGGACCGACCTGGACACCAACATGATCGAGTCGTCACATGCTGGGTGAGGAGCG
GGTCGTGATTGCCGACGATCTCCCGCACCCGTTGGTCTGACGCGTACAGCGATTATATCTACTGGACA
GACTGGAATCTGCACAGCATTGAGCGGGCCGACAAGACTAGCGGGCCGGAACCCGACCCCTCATCCAGGGCC
ACCTGGACTTCGTGATGGACATCCTGGTGTCCACTCCTCCCGCCAGGATGGCCTCAATGACTGTATGCA
CAACAACGGGCGAGTGTGGGACGCTGTGCCTTGCCATCCCGGGCGGCCACCCGCTGCGGCTGCGCCTCACAC
TACACCTGGACCCAGCAGCCGCAACTGCAGCCCGCCACCACCTTCTTGTCTTACAGCAGAAATCTG
CCATCAGTCGGATGATCCCGACGACAGCACAGCCGGATCTCATCTGCCCTGCATGGACTGAGGAA
CGTCAAAGCCATCGACTATGACCACTGGACAAGTTCATCTACTGGTGGATGGGCGCCAGAACATCAAG
CGACCAAGGACGACGGGACCCAGCCCTTGTGTTGACCTCTGAGCCAAGGCCAAAACCCAGCGAGCC
AGCCCCACGACCTCAGCATCGACATCTACAGCCGGACACTGTTCTGGACGTGCGAGGCCACCAATACCAT
CAACGTCCACAGGCTGAGCGGGGAAGCCATGGGGTGGTCTGCGTGGGACCGGACAAGCCAGGGCC
ATCGTCGTCACGCGGAGCGAGGGTACCTGTACTTCACCAACATGCAGGACCGGGCAGCCAAGATCGAAC
GCGCAGCCCTGGACGGCACCGAGCGGAGGTCCTTTCACCACCGGCTCATCCGCCCTGTGGCCCTGGT
GGTGGACAACACACTGGGCAAGCTGTTCTGGGTGGACGCGGACCTGAAGCGCATTGAGAGCTGTGACCTG
TCAGGGGCAACCCGCTGACCTGGAGGACGCCAACATCGTGCAGCCTCTGGGCTGACCATCTTGGCA
AGCATCTCTACTGGATCGACCGCAGCAGATGATCGAGCGTGTGGAGAAGACCACCGGGGACAAGCG
GACTCGCATCCAGGGCCGTGTCGCCACCTCACTGGCATCCATGCAGTGGAGGAAGTCAGCTGGAGGAG
TTCTCAGCCACCCATGTGCCCGTGACAATGGTGGCTGCTCCACATCTGTATTGCCAAGGGTGATGGGA
CACCACGGTGCTCATGCCAGTCCACCTCGTGCTCCTGCAGAACCTGCTGACCTGTGGAGAGCCGCCAC
CTGCTCCCGGACAGTTTGCATGTGCCACAGGGGAGATCGACTGTATCCCGGGGCTGGCGCTGTGAC
GGCTTTCGAGTGCGATGACCAGAGCGACGAGGAGGGCTGCCCGTGTGCTCCGCCGCCAGTTCCCTT
GCGCGCGGGTCAGTGTGTGGACCTGCGCTGCGCTGCGACGGCGAGGCAGACTGTCAGGACCGCTCAGA
CGAGGCGGACTGTGACGCCATCTGCCTGCCAACCAAGTCCGGTGTGCGAGCGGCCAGTGTGTCTCATC
AAACAGCAGTGCAGCTCCTTCCCGACTGTATCGACGGCTCCGACGAGCTCATGTGTGAAATCACCAAGC
CGCCCTCAGACGACAGCCCGGCCACAGCAGTCCATCGGGCCCGTCAATGGCATCATCCTCTCTCTT
CGTCATGGGTGGTGTCTATTTGTGTGCCAGCGGTGGTGTGCCAGCGCTATGCGGGGCCAACGGGCC
TTCCCGCACGAGTATGTAGCGGGACCCCGCACGTGCCCTCAATTTTCATAGCCCGGGCGGTTCCAGC
ATGGCCCTTTCACAGGCATCGCATGCGGAAAGTCCATGATGAGCTCCGTGAGCCTGATGGGGGGCCGGG
CGGGGTGCCCTTACGACCGGAACACGTACAGGGGCTCGTCCAGCAGCTCGTCCAGCACGAAGGCC
ACGCTGTACCCGCGATCCTGAACCCGCCGCCCTCCCGGCCACGGACCCCTCCCTGTACAACATGGACA
TGTTCTACTTCAAACATTCCGGCCACTGCGAGACCGTACAGGCCCTACATATTGAGGAATGGCGCC
CCCAGCAGCCCTGCAGCACCGACGTGTGTGACAGCGACTACAGCGCCAGCCGTTGGAAGGCCAGCAAG
TACTACCTGGATTTGAACTCGGACTCAGACCCCTATCCACCCCAACCCAGCCCAACAGCCAGTACCTGT
CGGCGGAGGACAGCTGCCCGCCCTCGCCCGCCACCGAGAGGAGCTACTTCCATCTCTTCCGCCCTCC
GTCCCTGCACGGACTCATCTGA
    
```

Restriction Sites: Sgfl-Mlul

ACCN:	NM_001291902
OTI Disclaimer:	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).
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:	<u>NM_001291902.1</u> , <u>NP_001278831.1</u>
RefSeq Size:	5190 bp
RefSeq ORF:	3105 bp
Locus ID:	4041
UniProt ID:	<u>O75197</u>
Cytogenetics:	11q13.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Wnt signaling pathway
Gene Summary:	<p>This gene encodes a transmembrane low-density lipoprotein receptor that binds and internalizes ligands in the process of receptor-mediated endocytosis. This protein also acts as a co-receptor with Frizzled protein family members for transducing signals by Wnt proteins and was originally cloned on the basis of its association with type 1 diabetes mellitus in humans. This protein plays a key role in skeletal homeostasis and many bone density related diseases are caused by mutations in this gene. Mutations in this gene also cause familial exudative vitreoretinopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (2) differs in its 5' UTR and uses an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.</p>