

Product datasheet for **SC202876**

LRP5 (NM_002335) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: LRP5 (NM_002335) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: LRP5
Synonyms: BMND1; EVR1; EVR4; HBM; LR3; LRP-5; LRP-7; LRP7; OPPG; OPS; OPTA1; PCLD4; VBCH2
ACCN: NM_002335
Insert Size: 235 bp
Insert Sequence: >SC202876 3'UTR clone of NM_002335

The sequence shown below is from the reference sequence of NM_002335. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTCCGTCCCCCTGCACGGACTCATCTGACCTCGGCCGGCCACTCTGGCTTCTCTGTGCCCTGTAA
ATAGTTTTAAATATGAACAAAGAAAAAATATATTTTATGATTTAAAAATAAATAATTGGGATTTT
AAAAACATGAGAAATGTGAAGTGTGATGGGGTGGCAGGCTGGGAGAACTTTGTACAGTGGAGAAATA
TTTATAAACTTAATTTGTAAAAACAGAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002335.4](#)



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Summary:

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]

Locus ID:

4041

MW:

8.9