

Product datasheet for RC211755

LRRC17 (NM_005824) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LRRC17 (NM_005824) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LRRC17
Synonyms: P37NB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC211755 representing NM_005824
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTGTGGTTACCATTGTAATCTTGCTCTGCTTTTGCAAAGCGGCTGAGCTGCGCAAAGCAAGCCCAG
 GCAGTGTGAGAAGCCGAGTGAATCATGGCCGGCGGGTGGAGGCCGAGAGGCTCCAACCCGGTCAAACG
 CTACGCACCAGGCCTCCCGTGTGACGTGTACACATATCTCCATGAGAAATACTTAGATTGTCAAGAAAGA
 AAATTAGTTTATGTGCTGCCTGGTTGGCCTCAGGATTTGCTGCACATGCTGCTAGCAAGAAACAAGATCC
 GCACATTGAAGAACAACATGTTTTCCAAGTTTAAAAAGCTGAAAAGCCTGGATCTGCAGCAGAATGAGAT
 CTCTAAAATTGAGAGTGAGGCGTTCTTTGGTTTAAACAACTCACCACCCTTACTGCAGCACAACCAG
 ATCAAAGTCTTGACGGAGGAAGTGTTCATTTACACACCTCTCTTGAGCTACCTGCGTCTTTATGACAACC
 CCTGGCACTGTACTTGTGAGATAGAAACGCTTATTTCAATGTTGCAGATCCCAGGAACCGGAATTTGGG
 GAACTACGCCAAGTGTGAAAGTCCACAAGAACAATAAAAACTGCGGCAGATAAAATCTGAACAG
 TTGTGTAATGAAGAAAAGGAACAATTGGACCCGAAACCCCAAGTGTGAGGAGACCCCAAGTGTGAGG
 CTGAGGTGGACTCAACTTTTTGCCACAATTATGTGTTCCCATACAAACTGGACTGCAAAAGGAAAGA
 GTTGAAAAAGTGCCAAACAACATCCCTCCAGATATTGTTAACTTGACTGTGATACAATAAAATCAAC
 CAACTTCGACCAAGGAATTTGAAGATGTTTCATGAGCTGAAGAAATTAACCTCAGCAGCAATGGCATTG
 AATTCATCGATCCTGGTCTTTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211755 representing NM_005824
Red=Cloning site Green=Tags(s)

MRVVTIVILLCFCKAAELRKASPGSVRSRVNHGRAGGGRRGNSNPVKRYAPGLPCDVYTYLHEKYLDCQER
 KLVYVLPGWPDLLHMLLARNKIRTLKNNMFSKFKKLSLDLQQNEISKIESEAFFGLNKLTTLLLQHNQ
 IKVLTEEVFIYTPLLSYLRLYDNPWHCTCEIETLISMLQIPRNRNLGNYAKCESPQEQKNNKLRQIKSEQ
 LCNEEKEQLDPKPQVSGRPPVIKPEVDSTFCHNYVFPFIQTLDCRKEKLVKVPNNIPPDIVKLDLSYNKIN
 QLRPKFEFEDVHELKKNLSSNGIEFIDPGSLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6045_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_005824

ORF Size: 936 bp

OTI Disclaimer: 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](#)

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:

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_005824.3](#)

RefSeq Size: 2002 bp

RefSeq ORF: 942 bp

Locus ID: 10234

UniProt ID: [Q8N6Y2](#)

Cytogenetics: 7q22.1

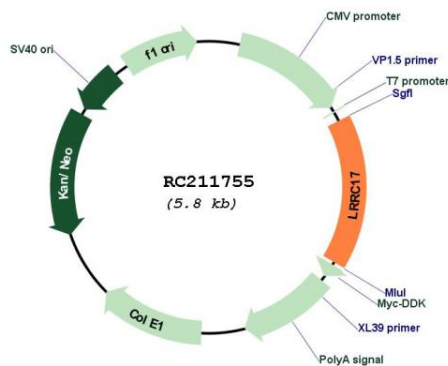
Domains: LRRCT, LRR, LRR_TYP

Protein Families: Druggable Genome

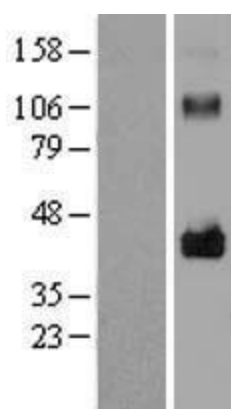
MW: 36.1 kDa

Gene Summary: Involved in bone homeostasis. Acts as a negative regulator of RANKL-induced osteoclast precursor differentiation from bone marrow precursors (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211755



Western blot validation of overexpression lysate (Cat# [LY401769]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211755 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).