

Product datasheet for SC108552

LRRC17 (NM_005824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC17 (NM_005824) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRC17
Synonyms:	P37NB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108552 sequence for NM_005824 edited (data generated by NextGen Sequencing)

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ATGCGTGTGGTTACCATTGTAATCTTGCTCTGCTTTTGCAAAGCGGCTGAGCTGCGCAA
GCAAGCCAGGCAGTGTGAGAAGCCGAGTGAATCATGGCCGGGCGGGTGGAGCCGGAGA
GGCTCCAACCCGGTCAAACGCTACGCACCAAGCCTCCCGTGTGACGTGTACACATATCTC
CATGAGAAATACTTAGATTGTCAAGAAAGAAAATTAGTTTATGTGCTGCCTGGTTGGCCT
CAGGATTTGCTGCACATGCTGCTAGCAAGAAACAAGATCCGCACATTGAAGAACAACATG
TTTTCCAAGTTTAAAAAGCTGAAAAGCCTGGATCTGCAGCAGAATGAGATCTCTAAAATT
GAGAGTGAGGCGTTCTTTGGTTTAAACAAACTCACCACCCTCTTACTGCAGCACAACCAG
ATCAAAGTCTTGACGGAGGAAGTGTTCATTTACACACCTCTCTTGAGCTACCTGCGTCTT
TATGACAACCCCTGGCACTGTACTTGTGAGATAGAAACGCTTATTTCAATGTTGCAGATT
CCCAGGAACCCGAATTTGGGGAACCTACGCCAAGTGTGAAAGTCCACAAGAACAAAAAAT
AAAAAACTGCGGCAGATAAAATCTGAACAGTTGTGAATGAAGAAGAAAAGGAACAATTG
GACCCGAAACCCCAAGTGTGAGGAGACCCCAAGTGTGAAAGTCCACAAGAACAAAAAAT
TTTTGCCACAATTATGTGTTTCCCATACAACACTGGACTGCAAAAGGAAAGAGTTGAAA
AAAGTGCCAAACAACATCCCTCCAGATATTGTTAAACTTGACTTGTACATAAATAAAATC
AACCAACTTCGACCCAAGGAATTTGAAGATGTTTCATGAGCTGAAGAAATTAACCTCAGC
AGCAATGGCATTGAATTCATCGATCCTGGGTCTTTGAGATGA

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Clone variation with respect to NM_005824.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005824 unedited
 GCCGTTTCAGGATTTGTATACGTTTACTATAGGGCGGCCGGAATTCGCACGAGGATTTCA
 AATGAATACTTTTCATTGTTCCGCTCTGTAACACGAAGTAATTGGGGCCAGCTGGATGTCAG
 GATGCGTGTGGTTACCATTGTAATCTTGCTCTGCTTTTGCAAAGCGGCTGAGCTGCGCAA
 AGCAAGCCCAGGCAGTGTGAGAAGCCGAGTGAATCATGGCCGGGCGGTGGAGGCCGGAG
 AGGCTCCAACCCGGTCAAACGCTACGCACCAGGCCTCCCGTGTGACGTGTACACATATCT
 CCATGAGAAATACTTAGATTGTCAAGAAAGAAAATTAGTTTATGTGCTGCCTGGTTGGCC
 TCAGGATTTGCTGCACATGCTGCTAGCAAGAAACAAGATCCGCACATTGAAGAACAACAT
 GTTTTCCAAGTTTAAAAAGCTGAAAAGCCTGGATCTGCAGCAGAATGAGATCTCTAAAAAT
 TGAGAGTGAGGCGTTCTTTGGTTTAAACAAACTCACCACCCTCTTACTGCAGCACAACCA
 GATCAAAGTCTTGACGGAGGAAGTTCATTTACACACCTCTCTTGAGCTACCTGCGTCT
 TTATGACAACCCCTGGCACTGTACTTGTGAGATAGAAACGCTTATTTCAATGTTGCAGAT
 TCCCAGGAACCGAATTTGNGGAACTACGCCAAGTGTGAAAGTCCACAAGAACANAANAA
 TAAAAAAGTGCNGCAGATAAAATCTGAACAGTTGTGTAATGAAGAAAAGAACAATTGGAC
 CCGAAACCAAGTGTGAGGAGACCCCCATCATCAAGCCTGAGGTGGACTCAAACCTTTT
 GCCACATTATGTGTTTCCATACAACACTGGACTGCAAAGGAAAGAGTGAAAAAGCCAAC
 ACATCTCAAATGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005824 unedited
 NTTCTTACTGTGNACCGCGCNCGCTATTTNANGATCGAGTTTTTTTTTTTTTTTTTTT
 GGAATGACATTTTATTATAACAGCATTGTATAAAATCATTTTGATCATCTTTAAGTATG
 CACAAACAGCTATCGAAAGGCATGTAAACATGAACCAAGTTTTTTTTCTTTATTTTCTAA
 AAGCAGTAAAAACATTTATACAGGACATTATGAAAGTCTAATGCCATCATTAGGACCCAA
 CTGCTGCAGGTTACCAGTGTGGAATTGCATATCACCAGATGCTGTCCACAAATGGACAG
 GCAAGCAGGATGATAGCATTCTCTTGATTACTATAATAGTCAACAATAACTTATAATTA
 AAGAAAGCTTCTTTAGCTGGATTACCCTGCATAAATAGGCAACACAGTTAATCAAATGT
 AAACATATGTTTTCTAACACCAGTATAGAAAATACAAAATAATTACAATCAGAACAATT
 TCTACCTTATCTACTATAGTAATTATTACGCTTTGCTTCTTTGCGGTGTGATCTCTATG
 TTTTTTTCCCATTCATCATCTTCTGTGCTTGGTCAAATGACTCAGGATATGCTGGTAA
 CTGTCTTTGGGCATTCTTCATAGTAACTTCTAATATATTTTCCACAGACCATCCTTT
 GTATTCTTCAGGCGTTTTGCATTCCAGGCCATTAATAATGGACATTGTAGTGGTGTCTTAA
 CCAGTAGTAGAGGTAGTGAATGTTGTAGTCACATCTCCAAGGGGTATCTCTGAGCCACAA
 GAAGTTTCAAAAATACAAGTCTTCTAATACGCCATAGTCAAAAAGTTTGCAGACTGGTTGT
 TGATAAATCTAATNCTTCTAATGTGTGAGCCCTAAAAAGCGCACAGCAAAAATCATCA
 CGTAAGTCTACTTGCAGGTTTCTCTCCAAGACCCAGAT

Restriction Sites:

NotI-NotI

ACCN:

NM_005824

Insert Size:

1880 bp

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:

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_005824.1](#), [NP_005815.1](#)

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

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]

Transcript Variant: This variant (2) contains an alternate exon in the 3' UTR and coding region, compared to variant 1, that causes a frameshift. The resulting isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.