

Product datasheet for **RG206532**

LRRC17 (NM_001031692) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRC17 (NM_001031692) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRC17
Synonyms:	P37NB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206532 representing NM_001031692 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTGTGGTTACCATTGTAATCTTGCTCTGCTTTTGCAAAGCGGCTGAGCTGCGCAAAGCAAGCCCAG
GCAGTGTGAGAAGCCGAGTGAATCATGGCCGGCGGGTGGAGGCCGAGAGGCTCCAACCCGGTCAAACG
CTACGCACCAGGCCCTCCCGTGTGACGTGTACACATATCTCCATGAGAAATACTTAGATTGTCAAGAAAGA
AAATTAGTTTATGTGCTGCCTGGTTGGCCTCAGGATTTGCTGCACATGCTGCTAGCAAGAAACAAGATCC
GCACATTAAGAACAACATGTTTTCCAAGTTTAAAAAGCTGAAAAGCCTGGATCTGCAGCAGAATGAGAT
CTCTAAAATTGAGAGTGAGGCGTCTTTGGTTTAAACAACTCACCACCCTTACTGCAGCACAACCAG
ATCAAAGTCTTGACGGAGGAAGTGTTCATTTACACACCTCTCTTGAGCTACCTGCGTCTTTATGACAACC
CCTGGCACTGTACTTGTGAGATAGAAACGCTTATTTCAATGTTGCAGATCCCAGGAACCGGAATTTGGG
GAACTACGCCAAGTGTGAAAGTCCACAAGAACAATAAAAACTGCGGCAGATAAAATCTGAACAG
TTGTGTAATGAAGAAGAAAAGGAACAATTGGACCCGAAACCCCAAGTGTGAGGGAGACCCCAAGTCA
AGCCTGAGGTGGACTCACTTTTTGCCACAATTATGTGTTCCCATACAAACACTGGACTGCAAAAAGGAA
AGAGTTGAAAAAGTGCCAAACAACATCCCTCCAGATATTGTTAACTTGACTTGCATACAATAAAATC
AACCAACTTCGACCCAAGGAATTTGAAGATGTTTCATGAGCTGAAGAAATTAACCTCAGCAGCAATGGCA
TTGAATTCATCGATCCTGCGCTTTTTTAGGGCTCACACATTTAGAAAGAATTAGATTTATCAAACAACAG
TCTGCAAAACTTTGACTATGGCGTATTAGAAGACTTGTATTTTTGAAACTCTTGTGGCTCAGAGATAAC
CCTTGGAGATGTGACTACAACATTCACTACCTCTACTACTGGTTAAAGCACCCTACAATGTCCATTTTA
ATGGCCTGGAATGCAAAACGCCTGAAGAATACAAAGGATGGTCTGTGGGAAAATATATTAGAAGTTACTA
TGAAGAATGCCCCAAAGACAAGTTACCAGCATATCCTGAGTCATTTGACCAAGACACAGAAGATGATGAA
TGGGAAAAAACAATAGAGATCACACCGCAAAGAAGCAAAGCGTAATAATTACTATAGTAGGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206532 representing NM_001031692
Red=Cloning site Green=Tags(s)

MRVVTIVILLCFCKAAELRKASPGSVRSRVNHGRAGGGRRGSSNPVKRYAPGLPCDVYTYLHEKYLDCQER
 KLVYVLPGWPDLLHMLLARNKIRTLKNNMFSKFKKLSLDLQQNEISKIESEAFFGLNKLTTLLLQHNQ
 IKVLTEEVFIYTPLLSYLRLYDNPWHCTCEIETLISMLQIPRNRNLGNYAKCESPQEQKNNKLRQIKSEQ
 LCNEEEKEQLDPKPQVSGRPPVIKPEVDSTFCHNYVFPITLDCRKEKELKKVPNNIPDDIVKLDLSYNKI
 NQLRPKEFEDVHELKKNLSSNGIEFIDPAAFLGLTHLEELDLSNNSLQNFYGVLEDLYFLKLLWLRDN
 PWRCDYNIHYLYYWLKHHYVHFNGLECKTPEEYKGSVGYKIRSYEECPKDKLPAYPESFDQDTEDE
 WEKKHRDHTAKKQSVIITIVG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001031692

ORF Size: 1323 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_001031692.3](#)

RefSeq Size: 1997 bp

RefSeq ORF: 1326 bp

Locus ID: 10234

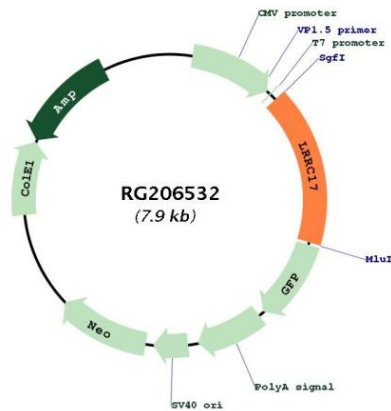
UniProt ID: [Q8N6Y2](#)

Cytogenetics: 7q22.1

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]

Product images:



Circular map for RG206532