

Product datasheet for **RG211755**

LRRC17 (NM_005824) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LRRC17 (NM_005824) 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: >RG211755 representing NM_005824
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGTGTGGTTACCATTGTAATCTTGCTCTGCTTTTGCAAAGCGGCTGAGCTGCGCAAAGCAAGCCCAG
 GCAGTGTGAGAAGCCGAGTGAATCATGGCCGGCGGGTGGAGGCCGAGAGGCTCCAACCCGGTCAAACG
 CTACGCCACGAGCCTCCCGTGTGACGTGTACACATATCTCCATGAGAAATACTTAGATTGTCAAGAAAGA
 AAATTAGTTTATGTGCTGCCTGGTTGGCCTCAGGATTTGCTGCACATGCTGCTAGCAAGAAACAAGATCC
 GCACATTGAAGAACAACATGTTTTCCAAGTTTAAAAAGCTGAAAAGCCTGGATCTGCAGCAGAATGAGAT
 CTCTAAAATTGAGAGTGAGGCGTTCTTTGGTTTAAACAACTCACCACCCTTTACTGCAGCACAACCAG
 ATCAAAGTCTTGACGGAGGAAGTGTTCATTTACACACCTCTCTTGAGCTACCTGCGTCTTTATGACAACC
 CCTGGCACTGTACTTGTGAGATAGAAACGCTTATTTCAATGTTGCAGATCCCAGGAACCGGAATTTGGC
 GAACTACGCCAAGTGTGAAAGTCCACAAGAACAATAAAAACTGCGGCAGATAAAATCTGAACAG
 TTGTGTAATGAAGAAGAAAGGAACAATTGGACCCGAAACCCCAAGTGTGAGGGAGACCCCAAGTCA
 AGCCTGAGGTGGACTCACTTTTGGCCACAATTATGTGTTCCCATACAAACACTGGACTGCAAAAGGAA
 AGAGTTGAAAAAGTGCCAAACAACATCCCTCCAGATATTGTTAACTTGACTTGCATACAATAAAATC
 AACCAACTTCGACCCAAGGAATTTGAAGATGTTTCATGAGCTGAAGAAATTAACCTCAGCAGCAATGGCA
 TTGAATTCATCGATCCTGGGTCCTTGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211755 representing NM_005824
 Red=Cloning site Green=Tags(s)

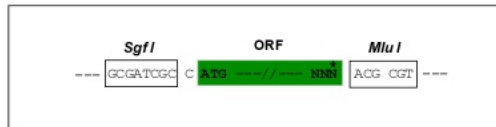
MRVVTIVILLCFCKAAELRKASPGSVRSRVNHGRAGGRRGSSNPVKRYAPGLPCDVYTYLHEKYLDCQER
 KLVYVLPGWPDLLHMLLARNKIRTLKNNMFSKFKKLSLDLQQNEISKIESEAFFGLNKLTTLLQHNQ
 IKVLTEEVFIYTPLLSYLRLYDNPWHCTCEIETLISMLQIPRNRNLANYAKCESPQEQKNKLRQIKSEQ
 LCNEEEKEQLDPKPQVSGRPPVIKPEVDSTFCHNYVFP IQTLDCRKEKLVKVPNNIPPDIVKLDLSYNKI
 NQLRPKEFEDVHELKLNLSNGIEFIDPGSLR

TRTRPLE - GFP Tag - V

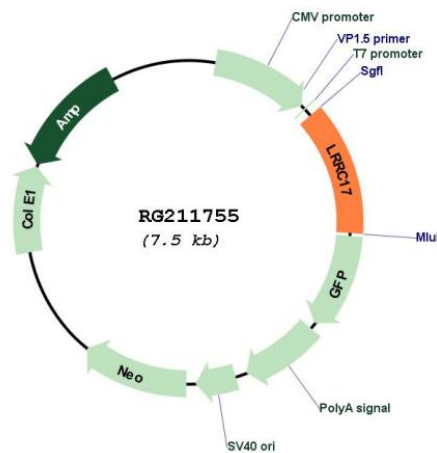
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_005824

ORF Size: 939 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:	<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:	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]