

Product datasheet for **MG223031**

Lrrc17 (NM_028977) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc17 (NM_028977) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc17
Synonyms:	37kDa; 4833425M04Rik; 6130400C22Rik; P37nb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223031 representing NM_028977 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCATAGTGGCCATCTTGCTTCTGTTCTGCCTTTGCAGAGCTGCTGAGCCTCGCAAGTCCAGCCCTG
GTGTTTTGAGAAGCCAAGGCAATCCCAGCCGACGACCAGGCCGTTGGTGGCAGGAGGGGCTCCAGCCAGT
CAAACGCTATGCACCAGGCTGCCTTGTGATGTGTACACTTATCTCCATGAAAAATACCTAGACTGCCAA
GAAAGGAACTAGTCTATGTGTTGCCTGACTGGCCTCAAGATTTGCTGCACATGCTGCTAGCAAGAAACA
AAATCCGCGTGTTAAAGAACAACATGTTTGCTAAGTTTAAAGGCTGAAGAGCCTGGACCTGCAGCAGAA
CGAGATCTCCAAAATTGAGAGCGAGGCGTTCTTTGGTTTAAATAAACTTACCACCCTCTTGTTCAGCAC
AACCAGATCAAGGTGCTGACAGAGGAGGCGTTCATTTACACGCCGCTCCTGAGCTACCTGCGGCTCTATG
ACAACCCCTGGCACTGCACTTGTGAGCTAGAGACGCTCATTTCATGCTGCAGATTCCACGGAACCGGAA
TCTGGGAACTACGCCAAGTGCAGGAGCCACCAGCACTGAGAAAATAAAAGTTGCTGCAGCTAAAACCT
CAAGAGCTGTGTGATGAAGAGGAGAAGGAGCAACTGGACCCAAACCCCAAGTGTGCGGGATACCCGAG
TCATCAGGCCAGAAGCAGACTCCACTCTGTGCCACAATTACGTGTTTCCATACAAACCTTAGACTGCAA
GAGGAAAGAGTTGAAGAAAGTCCAAGCAACATCCCTCCAGACATAGTGAAGCTTGACCTGTCATCCAAC
AAAATCAGACAGCTCCGACCCAAGGAGTTGAAGATGTTACGAACTAAAGAAGTTAAACCTAAGCAGCA
ATGGCATTGAGTTTATAGATCCTGCTGCCTTTTAGGGCTCATACACTAGAAGAGCTCGACTTATCAAA
CAACAGCCTGCAGAACTTTGACTATGGCGTGTTAGAGGATTTGACTTTTCTGAAACTCCTGTGGCTCAGA
GATAACCCCTGGAGGTGTGACTACAGCATCCACTACCTCTACTACTGGTTAAAGCACCCTACAACGTCC
ACTATAACGGTCTGGAATGCAAAACGCCGGAAGAATACAAAGGTTGGTCTGTGGGAAAATACGTACGGAG
TTACTATGAAGAATGCCCAAGGACAAGCTGCCAGCCTACCCTGAGACGTTTGACCAGGACACAGAAGAT
GATGAATGGCAGAAAATACACAGAGATCACCCAGCAAAGAAGCACAGAGTGAGAATCACCATTGTGGGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223031 representing NM_028977
 Red=Cloning site Green=Tags(s)

MRIVAILLLFCLCRAAEPRKSSPGVLR SQGNPSRSHGRGRRGSSPVKRYAPGLPCDVYTYLHEKYLDLDCQ
 ERKLVYVLPDWPQDLLHMLLARNKIRVLKNNMFAKFKRLKSLDLQNEISKIESEAFFGLNKL TLLLLQH
 NQIKVL TEEAFIYTPLLSYLRLYDNPWHCTCELET LISMLQIPRNRNLGNyakCGSPPALRNKLLQLKP
 QELCDEEEKEQLDPKPQVSGIPAVIRPEADSTLCHNYVFP IQTLDCRKRKELKKVPSNIPPDIKLDLSSN
 KIRQLRPKEFEDVHELKKNLSSNGIEFIDPA AFLGLIHLEELDL SNNSLQNF DYGVLEDLYFLKLLWLR
 DNPWRCDYSIHLYYWLKHYNVHYNGLECKTPEEYKGSV GKYVRSYEECPKDKLPAYPETFDQDTE
 DEWQKIHRDHPAKKHRVRITIVG

TRTRPLE - GFP Tag - V

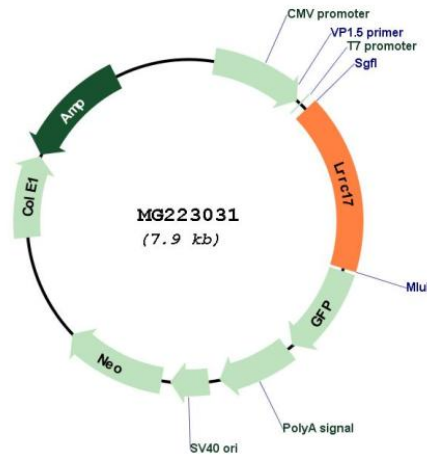
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_028977

ORF Size:	1329 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_028977.1 , NP_083253.1
RefSeq Size:	2204 bp
RefSeq ORF:	1332 bp
Locus ID:	74511
UniProt ID:	Q9CXD9
Cytogenetics:	5 A3
Gene Summary:	Involved in bone homeostasis. Acts as a negative regulator of RANKL-induced osteoclast precursor differentiation from bone marrow precursors.[UniProtKB/Swiss-Prot Function]