

Product datasheet for **MG218541**

Lrrc58 (NM_177093) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc58 (NM_177093) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrc58
Synonyms:	1810012N18Rik; C330018J07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218541 representing NM_177093 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAGGCCGCTCGGGGAGGCCGAACCTCAACTGGTCCCGCCTCAGCGTGTGGCCGAGGCGTTGG
 AGTCGGAGCTGGAGGCGCGCCGAGGAGCGCGCGCGCGAGGCTCTCTGCGGCTGCTGCTGCC
 CTACAACCGCTGACGTCGCTGCCGCGGCGTTGGGCGCGGCTTCCCGACCTCCAGCTCCTGGACGTG
 AGCGGCAACTCGCTCACGGCGCTGGGGCCGAGCTGCTGACGCTGAGCGGCTGCGCACGCTGCTGGCCA
 GGAACAACCGGCTCGGCGGCCCGGGCTCGCTGCCCAAGGGCTGGCCAGTCGCCGCTCTGCCGAGCCT
 CCAAGTGCTCAACCTCAGCGGCAACTGCTTCCAGGAGCTGCCCGCTCGCTGCTGGAGCTGCGCGCCCTT
 CAGACCCTCAGCCTGGGCGGCAACCAGCTGCAGAGCATCCCCGCCGAGATCGAGAACTTGCAGGAGTTAG
 AATGTTTATACCTTGGAGGAAATTCATTAAGAAATCCCACCAGAATTAGCAAATCTGCCTTCTCTGAA
 TTAATTGGTGTGTGTGACAACAAGATCCAAAGTGTGCCTCCCCAGCTCTCACAGTTGCATTGCTTCGA
 TCCCTCAGTCTGCACAATAACTTGTGACTTACCTGCCTCGAGAGATCCTTAATCTTATTCACCTGGAAG
 AGCTGAGTTTACGAGGAAACCGTTGGTTGTTGTTTGTAGAGATTTAACGTATGACCTCCGACTCT
 TCTGGAATTAGCTGCAAGGACCATTAAGATCCGAAGTATTTCTTACACTCCCTATGACCTTCTGGGAAT
 CTTCTTAGATACTTGGTTCAGCCAGCAACTGTCCAAACCAAAGTGTGGTGGAGTCTATTTGACTGTT
 GTGTGAGACAAATTAAGTTTGTGACTTCTGTGGAAAGTACCGTCTCCCCCTCATGCACTATCTGTGCTC
 TCCAGAGTGCTCTCCCCCTGCAGCTCTGCCTCCCATAGCTCCACCTCCAGAGTGAATCTGACTCAGAA
 GATGAAGCCAGTGTTGCTGCACACAGAATGCAGAAAGTCTTCTTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG218541 representing NM_177093
 Red=Cloning site Green=Tags(s)

MEEAALGEAELNWSRLSVSAEAESELEARAEERRGAREALLRLLL PYNRLTSLPRALGGGFPHLQLLDV
 SGNSTALGPPELLTSLGLRLLARNNRLLGGPSLPKGLAQSPLCRSLQVLNLSGNCFQELPASLLELRAL
 QTLSLGGNQLQSIPAEIENLRSLCLYLGGNFKEIPPELANLP SLNYLVLCDNKIQSVPPQLSQLHSLR
 SLSLHNNLLTYLPREILNLIHLEELSLRGNPLVVRFVRDLTYDPPTLLELAARTIKIRSISYTPYDLPGN
 LLRYLGASASNCNPKNPKCGVYFDCCVRQIKFVDFCGKYRLPLMHYLCSPCCSSPCSSASHSSTSQSESDSE
 DEASVAHRMQVLLG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_177093

ORF Size: 1098 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_177093.3, NP_796067.2

RefSeq Size: 8592 bp

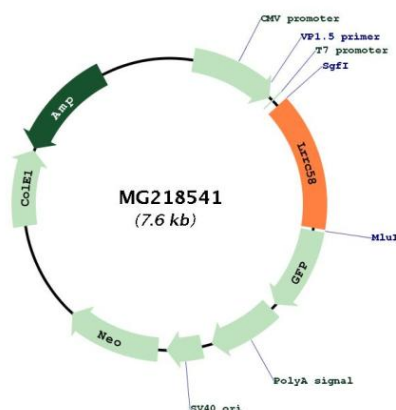
RefSeq ORF: 1101 bp

Locus ID: 320184

UniProt ID: Q3UGP9

Cytogenetics: 16 B3

Product images:



Circular map for MG218541