

Product datasheet for MR218541

Lrrc58 (NM_177093) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrrc58 (NM_177093) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lrrc58
Synonyms: 1810012N18Rik; C330018J07Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR218541 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGAGGCCGCGCTCGGGGAGGCCAACTCAACTGGTCCCGCTCAGCGTGTGGCCGAGGCGTTGG
 AGTCGGAGCTGGAGGCGCGCCGAGGAGCGCGCGCGCGAGGCTCTCTGCGGTGCTGCTGCC
 CTACAACCGCTGACGTCGCTGCCGCGGGCGTTGGGCGCGGCTTCCCGCACCTCAGCTCTGGACGTG
 AGCGGCAACTCGCTCACGGCGCTGGGGCCGAGCTGCTGACGCTGAGCGGCTGCGCACGCTGCTGGCCA
 GGAACAACCGGCTCGGCGGCCCGGGCTCGCTGCCAAGGGCTGGCCAGTCGCCGCTCTGCCGAGCCT
 CCAAGTGTCAACCTCAGCGGCAACTGCTTCCAGGAGCTGCCCGCTCGCTGCTGGAGCTGCGCGCCCT
 CAGACCCTCAGCCTGGGCGGCAACCAGTGCAGAGCATCCCCGCCGAGATCGAGAATTGCGGAGTTTGA
 AATGTTTATACCTTGGAGGAAATTCATTAAGAAATCCCACCAGAATTAGCAAATCTGCCTTCTGAA
 TTAAGTGGTGTGTGTGACAACAAGATCCAAAGTGTGCTCCCGAGCTCTCACAGTTGCATTGCTTCGA
 TCCCTCAGTCTGCACAATAACTTGTGACTTACCTGCCTCGAGAGATCCTTAATCTTATTCACCTGGAAG
 AGCTGAGTTTACGAGGAAACCCGTTGGTTGTTGTTTGTAGAGATTTAACGTATGACCCTCCGACTCT
 TCTGGAATTAGCTGCAAGGACCATTAAGATCCGAAGTATTTCTTACACTCCCTATGACCTTCTGGGAAT
 CTTCTTAGATACTTGGTTTCCAGCCAGCAACTGTCCAACCAAGTGTGGTGGAGTCTATTTTACTGTT
 GTGTGAGACAAATTAAGTTTGTGACTTCTGTGGAAAGTACCGTCTCCCGCTCATGCACTATCTGTGCTC
 TCCAGAGTGTCTCCCGCTGCAGCTCTGCCTCCATAGCTCCACCTCCAGAGTGAATCTGACTCAGAA
 GATGAAGCCAGTGTGCTGCACACAGAATGCAGAAAGTCTTCTTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218541 protein sequence
 Red=Cloning site Green=Tags(s)

MEEAALGEAELNWSRLSVSAEAELESELEARAEERRGAREALLRLLL PYNRLTSLPRALGGGFPHLQLLDV
 SGNLSTALGPELLTSLGLRLLARNNRLLGGPSLPKGLAQSP LCRSLQVLNLSGNCFQELPASLLELRAL
 QTL SLGGNQLQSIPAEIENLRSL ECLYLGGNF IKEIPPELANLPSLNYLVLCDNKIQSVPPQLSQLHSLR
 SLSLHNNLLTYLPREILNLIHLEELSLRGNPLVRFV RDLTYDPPTLLELAARTIKIRSISYTPYDLPGN
 LLRYLGSASNCNP KCGVYFDCCVRQIKFVDFCGKYRLPLMHYLC SPECSSPCSSASHSSTSQSESDSE
 DEASVAHRMQKVL LG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177093

ORF Size: 1101 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_177093.3](#), [NP_796067.2](#)

RefSeq Size: 8592 bp

RefSeq ORF: 1101 bp

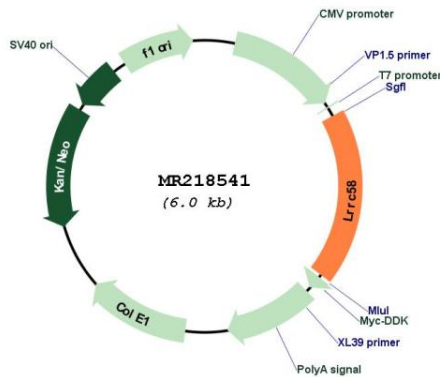
Locus ID: 320184

UniProt ID: [Q3UGP9](#)

Cytogenetics: 16 B3

MW: 40.1 kDa

Product images:



Circular map for MR218541