

## Product datasheet for **MR219413**

### **Lrrc71 (NM\_028971) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Lrrc71 (NM_028971) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                   |
| Symbol:                   | Lrrc71                                    |
| Synonyms:                 | 4933430H15Rik                             |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-Entry (PS100001)                    |
| E. coli Selection:        | Kanamycin (25 ug/mL)                      |



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**ORF Nucleotide Sequence:**

>MR219413 representing NM\_028971  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGTCAAGTGAGCCAAGCACTACAGGGACCTACCCAGGACTCCGCGTCCTGGGGCCAGAAGTCATCCG  
 GAGCAGTAACCAAGAAGGGGATCGGGCTGCTAAAGATAAGACAGCAAGCACCTGCCCGGTTGGGAGA  
 GGACGAGCAAAAAATCCGGAGGAGTACCAAGTGCACGGGGTCTGGAGACAGACTTCGCTGAGCTCTGC  
 ACACGGTCAGGCTACGTGGACTTTCCAAAGTTGTACCCGGCCACGGGTCCAACAGAGCTCTGTCCCTT  
 CCGCTCCACGTGAGAAAACTGTCTAGATGACCAGAGACCGTCGGCATCCTGCAGCCAGAGCAGCT  
 GGAGAGCAAGTATGTGTTTTTCGGCCCACTATTCAAGTGGAGCTGGAGCAGGAGGACAGCAAGGCCGTG  
 AAGGAGATCTACATTCGAGGCTGAAAGTTGAAGATCGGATTCTGGGTATTTCTCCAAATGTCTGCCCT  
 CCCTCAGCCAGCTGCAGGCCATCAACTTGTGGAAGTGGGGCTGACGGATAAGACCCTGACCACTTTCAT  
 CGCCCTTTTGCCTCTTTGTTCTCCACACTCAGGAAGTATCTCTGGAGGGGAACCAATACCAGAGCAG  
 TCCTTTAGTAAGCTGATGGGACTGGACAGCAGATTGTTCACTTGTCTCTGAGGAACAACAACATCAACG  
 ACCACGGGGCGCAGCTCCTGGGCCAGGCGCTGTCCACACTGCAGAACAGCAACCGAACCTGGTTTCACT  
 GAACCTAGCATTCAACCACATCGGGGATGTGGGCGCAGGCTACATTGCGGATGGCTTGAGGCTGAACCGC  
 TCTCTCTCTGGCTGTCCCTAGCGCACAAACCAATTCAAGACAAGGGAGCACTGAAGCTGGCCGAGGTCC  
 TGCGCCCTTTGAGCTGACCCACAGGGAGGTGGTGGAGCGGGCGGCCTGCTGCTGGTGAAGGAACGCA  
 GGAGCGGTCTCGATCGCCTTCTCTCCGATACGGGGACTCCAAAGCAGAACGTGAGAAGTCTCAGACG  
 TTGGGGATCAGCAATGTCACTTTGGTGGACAAGCAAGAAAAGATGCAGTCACTGAAAGCCCTAAGACCA  
 TAAGCAAGAAAAAGGAGAAGACAGGGGAAGTTGTCAAGAAGGAAGAGAAGCTGGGCTCTGGGCAGTCACC  
 CACACAAGGAACCCCTAAGAAAAGAGATGCCGCAAGGCAGGCAAGGGGAAGGTAAACCATCCTGAGCAG  
 AAGATGAGCAAGGAAAAAGCGACAAGATGGGGGCCAAAGAGAAGCGCAGCATCTCTCTGGAGTCAAGAC  
 AGCTGGTTGTTGAAGCTACAGAGATGGTTAACCTCTCTCTGGAGCCCGTGAACACCGAGATGGGAAGGT  
 CTTCTTGCTGGGAACAAGGTCTTTTGACCTCAACCTCTCCGAAACCAATCACAGAGGTGGGGCTG  
 GAAGGCTTCTCACTGCTGTGCAATACCAGTTTCAAGTCTCAAGCCCAAGACTTCACCAAGGCCCCCC  
 TGGGTCTGCTGTGGCTGTCTTGGCGAAAACTGCTTTGACCCACAGTGTCAACACACGTCATGATTCA  
 AGAACTGATGTTGCCAAGGGACCCTGTGAAGGCCAAGGCCAGGGAGGAGGAGGCTGCAGCTACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219413 representing NM\_028971  
 Red=Cloning site Green=Tags(s)

MSSEPSTTGTSRTPRPGAQKSSGAVTKKGDRAAKDKTASTLPPVGEDEPKNPPEEYQCTGVLETDFAELC  
 TRSGYVDFPKVVRPRVQSSVPSASTSEKPVLDQRPASCSQSSLESKYVFFRPTIQVELEQEDSKAV  
 KEIYIRGWKVEDRILGIFSKCLPSLSQLQAINLWKVGLTDKLTTFIALLPLCSSTLRKVSLEGNPIPEQ  
 SFSKLMGLDSTIVHLSLRNNNINDHGAQLLQALSTLQNSNRTLVSLLAFNHIGDVGAGYIADGLRLNR  
 SLLWLSLAHNHIQDKGALKLAELVRPFELTHREVVERRLLL VKGTQERSRSPSSRYGDSKAEREKSQT  
 LGISNVTLVQKQKMSLQKAPKTKSKKEKTGEVVKKEELGSGQSPTQGTQPKEDAAKAGKGVTIPEQ  
 KMSKGKATKMGAKKRSILLESEQLVVEATEMVNPLLEPVEHRDGKVFLPGNKVLLHLNLRNQITEVGL  
 EGFLTAVQYQVQVSKPKTSPKAPLGLLWLSLAKNCFDPQCPTHVMIQELMLPRDPVKAKAREEEAAAT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9061\\_e12.zip](https://cdn.origene.com/chromatograms/mm9061_e12.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_028971

**ORF Size:** 1674 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\\_028971.1](#), [NP\\_083247.1](#)

**RefSeq Size:** 3988 bp

**RefSeq ORF:** 1677 bp

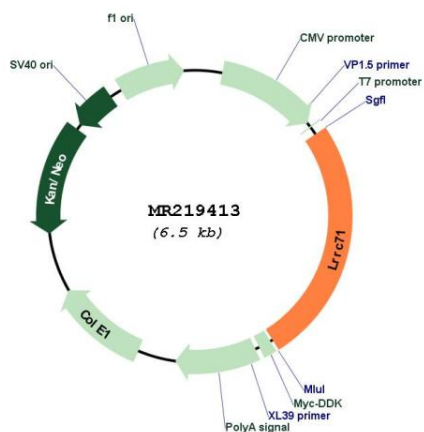
**Locus ID:** 74485

UniProt ID: Q9D3W5

Cytogenetics: 3 F1

MW: 61.4 kDa

## Product images:



Circular map for MR219413