

## Product datasheet for MR218746

### Lrrc51 (NM\_001162974) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lrrc51 (NM\_001162974) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lrrc51  
**Synonyms:** 1700008D07Rik; Lrtomt  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR218746 representing NM\_001162974  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGCTCAGGGACTATATGAACACTTCCGTGCAGGAGCCTCCTTTGACTACTCCTTCAAAGCGTCC  
 AAATGGTCCAAGATCTGGTAACCGAGGAGCCAAGGACAGGTCTACGACCGGTGAGGCACTCAAAGTCAGG  
 AAAGTCACTGACCCAGTCCCTGTGGCTCAACAACATGTCCTCAATGATCTGAAAGACTTCAACCAGGTG  
 GTTTCACAGCTTCTACAGCATCCAGAGAATCTGGCCTGGATTGACCTCTCCTTCAATGACCTGACTACCA  
 TTGACCCTGTCTAACAACATTCTCAACCTAAGTGCTCCTCTACCTTCACGGCAACGGCATCCATCGCCT  
 AGGGGAGGTGAATAAGCTAGCTGTCCTCCCTCGTCTCCGGAGCCTGACCCTCCATGGGAACCCCATAGAG  
 GAAGAAAAGGGTACAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR218746 representing NM\_001162974  
 Red=Cloning site Green=Tags(s)

MSSRDYMNSTVQEPPLDYSFKSVQMVQDLVTEEPRTGLRPVHRHSKSGKSLTQSLWLNNNVLNDLKDFNQV  
 VSQLLQHPENLAWIDL SFNDL TTIDPVL TTFNLSVL YLHGNGIHLGEVNKLAVLPRLRSLTLHGNIPIE  
 EEKGYR

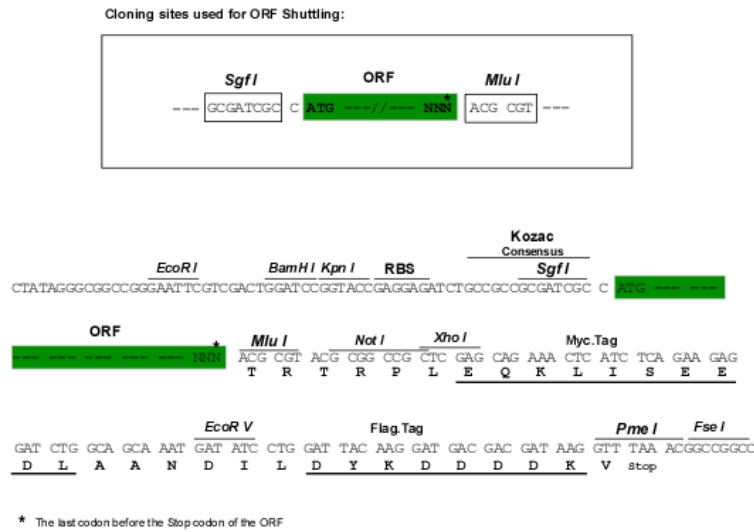
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9041\\_h09.zip](https://cdn.origene.com/chromatograms/mm9041_h09.zip)


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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001162974

**ORF Size:** 438 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.

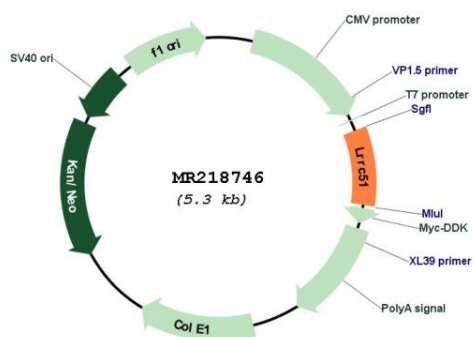
**RefSeq:** [NM\\_001162974.2](#)

**RefSeq Size:** 939 bp

**RefSeq ORF:** 441 bp

Locus ID: 69358  
 UniProt ID: [Q9DAK8](#)  
 Cytogenetics: 7 E2  
 MW: 17.2 kDa

### Product images:



Circular map for MR218746