

## Product datasheet for MR216368

### Lrrc2 (NM\_028838) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc2 (NM_028838) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc2
Synonyms:	2400002D05Rik; 4933431K03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216368 representing NM_028838 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGACACAAAGTGGTCGTGTTTGACATCTCTGTTGTCAGAGCCTTATGGGAACTCGTGTCAAGAAGC  
ACAAAGCATGGCAGAAGAAGGAGGCAGAAAGGCTGGAGAAAAGCGCCCTGGAGAAGATAAAGGAGGAGTG  
GGACTTTGTGGCCGAGTGCAGGAGGAAGGGCGTGCCCGAGGCTGAGTACTGCAAGAATGGCTTTGTGGAC  
ACCAGCACAAAGGCTCCTGAAAAGATAGAGAGGAACTCTGTTCCAGGCAGAGTGCAGGAGTCAAGGACA  
GAGACAAACGGAGGAGTCCATTTGTGTTGAACCTTCAGGGACACAGTGAAGGAGCTGCCTGATTCGCT  
GAAGGAGCAGACACACCTCAAAGAATGGTACATTCACAGTACCCTCATTAGATCATTCCCACGTACATC  
GAGCTGTTTCAAGCCATGAAAATTTGGATTTGCCAAAAACCAATCACGTGTCTTCCAGCTGAAATTG  
GTCGCTTAAAGAACCTGAAAGAAGTCAATGTGAGTTTTAACCATTTGAAGAGTATCCCCCGGAGCTAGG  
AGACTGTGAGCATCTAGAGAGACTGGACTGTTCTGGGAATCTGGACCTGATGGATCTCCCCTTTGAATTA  
AGTAATTTGAAGCAAGTTACATTTGTGGATATCTCTGCGAACAAGTCTCCAGCGTTCTATCTGTGTCC  
TGCGGATGTGTCGTCTGCAGTGGCTGGATATCAGCAGCAACAATCTGAGTGACCTGCCACAAGATATAGA  
CAGGCTGGAAGAGCTACAAGTTTCTGCTGTATAAAAAACAAGCTGACCTACCTTCTCAAGCCATGCTC  
AACCTCAAAAAGCTCACCTTGTGTTGTCAGTGGGATCACCTGGTGGAGTCCCAGCCGCCCTCTGCG  
ATGCCTCCAGCCTTTGAAATTTGTAAGCCTTGTGGACAATCCCATTGATAAGACCGGATGTCAAGACAC  
TGAAGACACAGTAGAGAGCGAGCGGACCGCCAGCATTGATAAGGAATTTATGAAAGCATATATTGAA  
GACCTTAAAGAAAGAGAAGCTGTTCCAGTTATACGACCAAAAGTGCATTTAGTCTTCAGCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216368 representing NM\_028838  
Red=Cloning site Green=Tags(s)

MGHKVVVFDISVVRALWETRVKKHKAQKKEAERLEKSALEKIKEEWFVAECRRKGVQAEYCKNGFVD  
 TSTRLLEKIERNSVSRQSARVKDRDKRRSPFVVELSGTQWKELPDSLKEQTHLKEWYIHSTLIQIIPYI  
 ELFQAMKILDLKPNQITCLPAEIGRLKNLKELVSNHLSIPPELGDCEHLERLDCSGNLDLMDLPFEL  
 SNLKQVTFVDISANKFSSVPICVLRMCRQLQWLDISSNLSDLPLQDIDRLEELQGFLLYKNKLTYPQAML  
 NLKKLTLVVSGDHLVEVPTALCDASTPLKFVSLVDNPIDKTGCQDTEDEVESERDRQHFDFKFMKAYIE  
 DLKEREAVPSYTTKVSFSLQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9042\\_h01.zip](https://cdn.origene.com/chromatograms/mm9042_h01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_028838

**ORF Size:** 1113 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\\_028838.2](#), [NP\\_083114.2](#)

**RefSeq Size:** 3657 bp

**RefSeq ORF:** 1116 bp

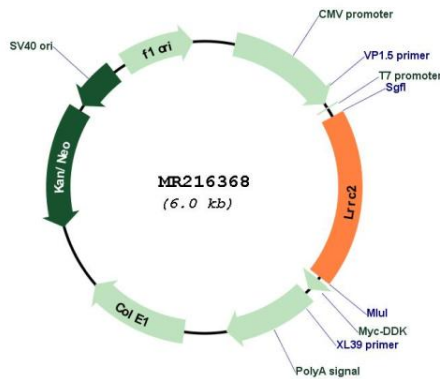
**Locus ID:** 74249

**UniProt ID:** [Q8VDB8](#)

**Cytogenetics:** 9 F2

**MW:** 43.4 kDa

**Product images:**



Circular map for MR216368