

## Product datasheet for **MR208734**

### Lrit2 (NM\_173418) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrit2 (NM_173418) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrit2
Synonyms:	A930010E21Rik; Lrrc22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208734 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTTTTGTTTTTACTGTTTCTTCAAGTTCTGGTCTCTGGGTTATACATGCAGTGCAGCCGTTCT  
 GTCTGCCAGAGTGTACCTGTTTCCAGAGGAGTTTTGGCAGGAGCCTTCAGTGCATGTCTATGTCTTTGGG  
 AAAGATCCAGACAACCTTTCCCGAAGAAGTCAAGCAAGTGAAGTGAAGTCAAGTCAAGTCAAGTCAAGT  
 TCCAGGGGTTTTTACCAACATGAGCAGTTTGAATACCTTTGGCTCAACTTTAACAATGTCAGTGTGA  
 TCCACCTAGGCGCCCTGGAGGACCTGCCAGAGCTGAGAGAGCTGAGACTAGAGGGGAACAACTCCGTTT  
 AGTACCATGGACAGCGTCCGCGCCACCCTCTCCTGCGGGTTTTGGATCTCAAACACAACCGGATTGAT  
 TCTGTCCAGAAGTGGCTCTTCAAGTCCGTTGGTCCCTTTCACTACTGGTGAATTCGTACCTGGTATGCCAGGGT  
 CAGTTGTATCAAGGGTGTCTTCTTGAAGTGGCCAGCCTATCAGAAACGGCAACAGCTTGGTTGTGGAGC  
 TGAGTTTCTTTCAATATGGTATTGTCGCTGCACAATAATCCTTGGTTGTGCGACTGCCGATTAAGGGGA  
 CTTGCTCAGTTTGTCAAGTCCGTTGGTCCCTTTCACTACTGGTGAATTCGTACCTGGTATGCCAGGGT  
 CTGTCTTAAGGCAGGGCAGCTTTTACATGAGACTGAGCTCGGAGTTTGTATGAAGCCAACATTTTCAAC  
 CCCTAGTGTCAATGTCAGTATCCAGGTAGGAAAGAACGTGACTCTGCAATGTTTTGCACAAGCCAGTCCC  
 TCACCAACCATTGCATGGAAGTATCCCCTGAGCAGCTGGAGAGAAATTTGATGTGTTGGCCTCGCCAAATG  
 CAGAAGGTATCATTCTGTCTCAGCTTGTATCCAGCAGCTCAACTGGTATGAGGGGTAATTTACCTG  
 CATGGCCTTCACTCCATCGGCAGGAGCTCCCTTGTATCTTACTCTATGTCCAGCCTGCACAGGCCATG  
 CCTGGATTGCATTTCTTCCACCTCTCAGAGGTCAGTGCCTATGTTGACCTACGAGTGGTCAAGCAGA  
 CAGTGCATGGCATCTTGTGTCAGTGGCTCACAGTGACCAACCTTGGTGGAGCAACAATGGTCAACCCTTA  
 TATTACATCTGATGAAGCTCTCAGGAAGAAGTGGTCCACATAGGCCCTGGAATCAACACATACGCCGTG  
 GATGACCTTCTCCTGCTACAAAATATAAAGCATGTCTCAGCCTGAGGAATCAGCCTCCAAGCCAGGGCC  
 AGTGTGTGGTCTTGTGACAGGCAAGACAGTGGTGGGCTAGAGGGTCTGAGCACCTCTTGCATGTAC  
 TGTAGTCTTGTGTGCTGTCTCTGGCACTGCCTGTGGGTGCTTATGTCTGGGTATCCAGGGTCCATAC  
 AACTTCAGTGAAGTGGTGGCAGCCTTCTCTTACAGGAAAACCTAAGATGCCACAAGCAGTAC  
 CACAGTGAAGGATAACTCTTTCAAGACCCTCAGGTGTCTATGAGGATGGTGAAGTCAAGAGTCAAGAGTCA  
 GGAGGAGGATGAGGAGGTAGAAAAGGAGGTATCAGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208734 protein sequence  
 Red=Cloning site Green=Tags(s)

MAFVFYCFQLQVLVSWVIHAVQPFCLPECTCSEESFGRSLQCMSMSLGKIPDNFPEELKQVRIENSPLFEL  
 SQGFFTNMSSLEYLWLNFNNTVIHLGALEDLPELRELRLLEGKLRSPWTAFRATPLLRVLDLKHNRID  
 SVPELALQFLTNLIYLDISSNRLTVVSKGVFLNWPAYQKRQQLGCGAEFLSNMVLSLHNNPWLDCRRLRG  
 LAQFVKSVPFPPILVNSYLVCQGPVSKAGQLHETELGVCMKPTISTPSVNVTIQVGNVTLQCFQAQSP  
 SPTIAWKYPLSTWREFDLASPIAEGIIISQLVIPAAQLVDGGNYTCMAFNISIGRSLVILLVYVQPAQAM  
 PGLHFLSTSSEVSAYVDLRVVKQTVHGIILLQWLTVTNLAEQWFTLYITSDEALRKKVVIHGPINTYAV  
 DDLLPATKYKACLRLNQPPSQQCQVVFVTGKDSGGLEGREHLLHVTVVLCAVLLALPVGAYVWVSQGPY  
 NFSEWCWRRRCPLHRKTLRCPQAVPQCKDNSFKDPSGVYEDGESHRVMEDEEVEKEGIS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_173418

ORF Size: 1650 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\\_173418.4](#)

RefSeq Size: 2781 bp

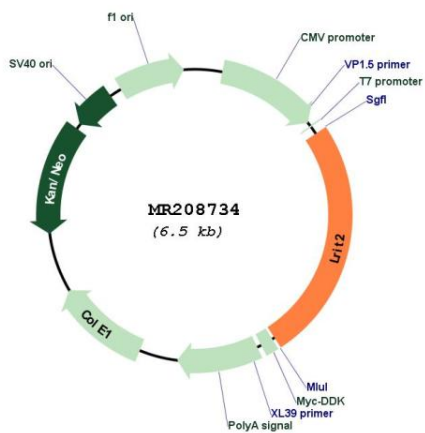
RefSeq ORF: 1650 bp

Locus ID: 239038

UniProt ID: [Q6PFC5](#)

Cytogenetics: 14 B  
 MW: 61.4 kDa

**Product images:**



Circular map for MR208734