

## Product datasheet for **MR230761**

### **Lrrc4c (NM\_001289742) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrrc4c (NM_001289742) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrc4c
Synonyms:	6430556C10Rik; NGL-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230761 representing NM\_001289742  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGAACAAGATGACCTTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAAACAGGGCCCTATTTG  
 ACCCCCTGCTTGTGGTGTCTGTTGGCTCTTCAACTTCTTGTGGTGGCTGGTTTGGTTCGTGCTCAAACCTG  
 CCCTTCAGTGTGCTCTTGTAGCAACCAGTTCAGCAAGGTGATTTGTGTTTCGGAACAACTTCGTGAAGTT  
 CCGGATGGCATCTCCACCAACACAAGGCTGCTGAACCTCCATGAGAACCAATCCAGATCATTAAAGTGA  
 ACAGCTTCAAGCATTGAGGCACCTAGAAATCCTCAGTTGAGCAGGAACCATATTCGAACCATTGAAAT  
 CGGGGCCCTTCAATGGTCTGGCCAACCTCAACACCTGGAACCTTTGACAATCGTCTTACTACCATACCG  
 AATGGAGCTTTTGTATATTTGTCTAAACTGAAGGAGCTCTGGTTGAGGAACAACCCATTGAAAGCATCC  
 CTTCTATGCTTTTAAACAGAATCCCTTCTTTGCGCCGCTGGACTTAGGGGAATTGAAAAGGCTTTTCATA  
 CATCTCAGAAGGTGCCTTTGAAGTCTGTCCAACCTTGAAGTATTGAACTTGCATGTGCAACCTTCGG  
 GAAATCCCTAACCTCACACCACTCATCAAACCTGACGAGCTAGATCTTTCTGGGAACCATTTGTCTGCAA  
 TCAGGCCTGGCTCTTTTCAGGGTTGATGCACCTTCAAAAACCTGTGGATGATACAGTCTCAGATTCAAGT  
 GATTGAACGGAATGCCTTTGATAACCTTCAGTCACTAGTGGAGATAAACTTGGCACAACAATCTAACA  
 TTATTGCCTCATGACCTTTCACACCTTGATCATCTAGAGAGGATACACCTCCATCACAACCCGTGGA  
 ACTGTAACCTGTGATATCTGTGGCTCAGCTGGTGGATAAGAGACATGGCCCCCTCCAACACAGCTTGCTG  
 TGCCAGGTGTAACACTCCCCAACCTGAAAGGGAGGTACATCGGAGAGCTGGACCAGAATTACTTTACA  
 AATGTCGGGCTTCTACGTCCTGACTTCCGTATCTTGGATTACTCCAAATGGAACAGTCATGACCCACGG  
 GGCATACAAAGTGCGGATAGCTGTGCTCAGCGACGGTACTTTAAATTTCAAAATGTAACCTGTGCAAGAC  
 ACAGGCATGTACACATGTATGGTGAAGTAACTGTTGGCAACACCACTGCTTCTGCCACCTTGAATGTTA  
 CTGCGGCAACCACTACTCCGTTCTCGTACTTTTCAACTGTAACAGTAGAGACTATGGAACCTTCTCAGGA  
 TGAGGCACGGACCACAGATAACAATGTGGGCCCACTCCAGTATCGATTGGGAGACCACCAATGTAACC  
 ACATCTTTACGCCACAGAGCACAAGGTCGACAGAAAAACATTACCATCCCAGTAACTGACATCAACA  
 GCGGAATCCCAGGAATTGATGAGGTCATGAAAACAATAAAATCATTATTGGGTGTTTTGTGGCCATCAC  
 ACTCATGGCTGCCGTGATGCTGGTCATTTTCTACAAGATGAGGAAACAGCACCATCGGCAAAACCACCAT  
 GCTCCAACAAGGACTGTTGAAATCATTAACTGGATGATGAGATCACTGGGGACACGCCCATGGAAGCC  
 ACCTGCCCATGCCTGCGATTGAGCATGAGCACCTAAACCACTATAACTCTTACAAATCTCCCTTCAACCA  
 CACAACAACAGTAAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAAC  
 TCTAAAGACAATGTACAAGAGACTCAGATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230761 representing NM\_001289742  
Red=Cloning site Green=Tags(s)

MLNKMTLHPQQIMIGPRFNRALFDPLLVLALLQLLVVAGLVRAQTCPVCSNQSFKVICVRKNLREV  
 PDGISTNTRLLNLHENQIQIIVKNSFKHLRHLEILQLSRNHIRTIEIGAFNGLANLNTLELFDNRLTTIP  
 NGAFVYLSKLLKELWLRNNPIESIPSYAFNRIPSLRRLDLGELKRLSYISEGAFEGLSNLRYLNLAMCNLR  
 EIPNLTPLIKLDLDELDSLGNHLSAIRPGSFQGLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLT  
 LLPHDLFPLHHLERIHLLHNPWNCNDILWLSWWIRDMAPSNTACCARCNTPPNLKGRYIGELDQNYFT  
 CYAPVIVEPPADLNVTEGMAAELKCRASLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVDQ  
 TGMVYCMVSNVSGNTTASATLNVTAATTPFSYFSTVTVETMEPSQDEARTTDNNVGPPTVIDWETTNTV  
 TSLTPQSTRSTKFTTIPVTDINSIGIPGIDEVMKTTKIIIGCFVAITLMAAVMLVIFYKMRKQHRQNH  
 APTRTVEIINVDDEITGDTMPMESHLPMPAIEHEHLNHYSYKSPFNHTTTVNTINSIHSSVHEPLLIRMN  
 SKDNVQETQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001289742

**ORF Size:** 1920 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\\_001289742.1](#), [NP\\_001276671.1](#)

**RefSeq Size:** 3860 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 241568

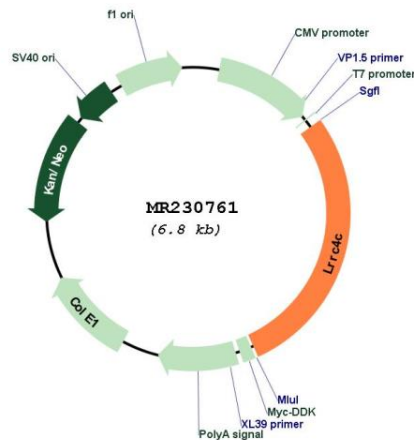
**UniProt ID:** [Q8C031](#)

**Cytogenetics:** 2 E1

**MW:** 72.4 kDa

**Gene Summary:** May promote neurite outgrowth of developing thalamic neurons.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR230761