

## Product datasheet for **MR209693**

### **Lrrc4c (NM\_178725) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrrc4c (NM_178725) 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:

>MR209693 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTGAACAAGATGACCTTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAAACAGGGCCCTATTTG  
ACCCCTGCTTGTGGTGCTGTTGGCTCTTCAACTTCTTGTGGTGGCTGGTTGGTTCGTGCTCAAACCTG  
CCCTTCAGTGTGCTCTTGTAGCAACCAGTTCAGCAAGGTGATTTGTGTTGCGAAAAACCTTCGTGAAGTT  
CCGGATGGCATCTCCACCAACACAAGGCTGCTGAACCTCCATGAGAACCAATCCAGATCATTAAAGTGA  
ACAGCTTCAAGCATTGAGGCACCTAGAAATCCTCAGTTGAGCAGGAACCATATTCGAACCATTGAAAT  
CGGGCCCTTCAATGGTCTGGCAACCTCAACACCTGGAACCTTTGACAATCGTCTTACTACCATACCG  
AATGGAGCTTTTGTATATTTGTCTAACTGAAGGAGCTCTGGTTGAGGAACAACCTATTGAAAGCATCC  
CTTCTATGCTTTTAAACAGAATCCCTTCTTTCGCGCCCTGGACTTAGGGGAATTGAAAAGGCTTTCATA  
CATCTCAGAAGGTGCCTTTGAAGTCTGTCCAACCTGAGGTATTGAACTTGCATGTGCAACCTTCGG  
GAAATCCCTAACCTCACACCACTCATCAAACCTGACGAGCTAGATCTTTCTGGGAACCATTTGTCTGCAA  
TCAGGCCTGGCTCTTTTCAGGGTTGATGCACCTTCAAAAACCTGTGGATGATACAGTCTCAGATTCAAGT  
GATTGAACGGAATGCCTTTGATAACCTTCAGTCACTAGTGGAGATAAACTTGGCACAACAATCTAACA  
TTATTGCCTCATGACCTTTCACACCTTGATCATCTAGAGAGGATACACCTCCATCACAACCCGTGGA  
ACTGTAACCTGTGATATCCTGTGGCTCAGCTGGTGGATAAGAGACATGGCCCCCTCCAACACAGCTTGCTG  
TGCCAGGTGTAACACTCCCCAACCTGAAAGGGAGGTACATCGGAGAGCTGGACCAGAATTACTTTACA  
AATGTCGGGCTTCTACGTCCTGACTTCCGTATCTTGGATTACTCCAAATGGAACAGTCATGACCCACGG  
GGCATACAAAGTGCGGATAGCTGTGCTCAGCGACGGTACTTTAAATTTCAAATGTAACCTGTGCAAGAC  
ACAGGCATGTACACATGTATGGTGAATAATTCTGTTGGCAACACCACTGCTTCTGCCACCTGAATGTTA  
CTGCGGCAACCACTACTCCGTTCTCGTACTTTTCAACTGTAACAGTAGAGACTATGGAACCTTCTCAGGA  
TGAGGCACGGACCACAGATAACAATGTGGGCCCACTCCAGTGATCGATTGGGAGACCACCAATGTAACC  
ACATCTTTACGCCACAGAGCACAAGGTCGACAGAAAAACATTACCATCCCAGTAACTGACATCAACA  
GCGGAATCCCAGGAATTGATGAGGTCATGAAAACAATAAAATCATTATTGGGTGTTTTGTGGCCATCAC  
ACTCATGGCTGCCGTGATGCTGGTCATTTTCTACAAGATGAGGAAACAGCACCATCGGCAAAACCACCAT  
GCTCCAACAAGGACTGTTGAAATCATTAACTGGATGATGAGATCACTGGGGACACGCCCATGGAAGCC  
ACCTGCCCATGCCGTGCGATTGAGCATGAGCACCTAAACCACTATAACTCTTACAAATCTCCCTTCAACCA  
CACAACAACAGTAAACACAATAAATTCAATACACAGTTCAGTGATGAACCGTTATTGATCCGAATGAAC  
TCTAAAGACAATGTACAAGAGACTCAGATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209693 protein sequence  
Red=Cloning site Green=Tags(s)

MLNKMTLHPQQIMIGPRFNRALFDPLLVVLLALQLL VVAGLVRAQTCPVCSNSQFSKVICVRKNLREV  
 PDGISTNTRLLNLHENQIQI IKVNSFKHLRHLEILQLSRNHIRTIEIGAFNGLANLNTLELFDNRLTTIP  
 NGAFVYL SKL KELWLRNNPIESIPSYAFNRIPSLRRLDLGELKRLSYISEGAFEGLSNLRYLNLAMCNLR  
 EIPNL TPLIKLDEL DL SGNHLSAIRPGSFQGLMHLQKLWMIQSQIQVIERNAFDNLQSLVEINLAHNNLT  
 LLPHDLFTPLHHLERIHLLHNPWNCNDILWLSWWIRDMAPSNTACCARCNTPPNLKGRYIGELDQNYFT  
 CYAPVIVEPPADLVNTEGMAAELKCRASLTSVSWITPNGTVMTHGAYKVRIAVLSDGTLNFTNVTVQD  
 TGMVTCMVSNSVGNNTASATLNVTAATTPFSYFSTVTVETMEPSQDEARTTDNNVGTPVIDWETTNTVT  
 TSLTPQSTRSTEKFTTIPVTDINSGIPGIDEVMKTTKIIIGCFVAITLMAAVMLVIFYKMRKQHRQNH  
 APTRTVEIINVDDEITGDTMPESHLPMPAIEHEHLNHYSYKSPFNHTTTVNTINSIHSSVHEPLLIRMN  
 SKDNVQETQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178725

**ORF Size:** 1923 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\\_178725.6](#), [NP\\_848840.3](#)

**RefSeq Size:** 3492 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 241568

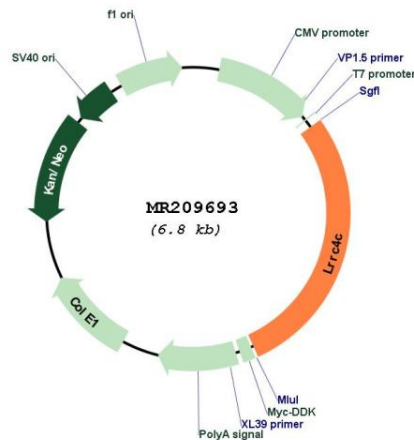
**UniProt ID:** [Q8C031](#)

**Cytogenetics:** 2 E1

**MW:** 72 kDa

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

### Product images:



Circular map for MR209693