

## Product datasheet for **MC228552**

### **Lrrc4c (NM\_001289744) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lrrc4c (NM_001289744) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrc4c
Synonyms:	6430556C10Rik; NGL-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228552 representing NM\_001289744  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTGAACAAGATGACCTTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAAACAGGGCCCTATTTG  
 ACCCCCTGCTTGTGGTGTCTGTTGGCTCTTCAACTTCTTGTGGTGGCTGGTTTGGTTCGTGCTCAAACCTG  
 CCCTTCAGTGTGCTCTTGTAGCAACCAGTTCAGCAAGGTGATTTGTGTTTCGGAACCACTTCGTGAAGTT  
 CCGGATGGCATCTCCACCAACACAAGGCTGCTGAACCTCCATGAGAACCAATCCAGATCATTAAAGTGA  
 ACAGCTTCAAGCATTGAGGCACCTAGAAATCCTCCAGTTGAGCAGGAACCATATTCGAACCATTGAAAT  
 CGGGGCCCTTCAATGGTCTGGCCAACCTCAACACCTGGAACCTTTGACAATCGTCTTACTACCATACCG  
 AATGGAGCTTTTGTATATTTGTCTAAACTGAAGGAGCTCTGGTTGAGGAACAACCTATTGAAAGCATCC  
 CTTCTATGCTTTAACAGAATCCCTTCTTTGCGCCGCTGGACTTAGGGGAATTGAAAAGGCTTTCATA  
 CATCTCAGAAGGTGCCTTTGAAGTCTGTCCAACCTGAGGTATTGAACCTTGCCATGTGCAACCTTCGG  
 GAAATCCCTAACCTCACACCACTCATCAAACCTGACGAGCTAGATCTTTCTGGGAACCATTTGTCTGCAA  
 TCAGGCCCTGGCTCTTTTCAGGGTTGATGCACCTTCAAAAACCTGTGGATGATACAGTCTCAGATTCAAGT  
 GATTGAACGGAATGCCTTTGATAACCTTCAGTCACTAGTGGAGATAAACTTGGCACAACAATCTAACA  
 TTATTGCCTCATGACCTTTCACACCCTTGATCATCTAGAGAGGATACACCTCCATCACAACCCGTGGA  
 ACTGTAACCTGTGATATCCTGTGGCTCAGCTGGTGGATAAGAGACATGGCCCCCTCCAACACAGCTTGCTG  
 TGCCAGGTGTAACACTCCCCAACCTGAAAGGGAGGTACATCGGAGAGCTGGACCAGAATTACTTTACA  
 TGCTATGCTCCCGTAATTGTGGAGCCCCCTGCAGACCTCAATGTCACCTGAAGGCATGGCAGCTGAGCTGA  
 AATGTCGGGCTTCTACGTCCTGACTCCGTATCTTGGATTACTCCAAATGGAACAGTCAAGCCACGG  
 GGATACAAAGTGCAGGATAGCTGTGCTCAGCGACGGTACTTTAAATTTACAAATGTAACCTGTGCAAGAC  
 ACAGGCATGTACACATGTATGGTGAATAAATCTGTTGGCAACACCACTGCTTCTGCCACCTGAATGTTA  
 CTGCGGCAACCACTACTCCGTTCTCGTACTTTTCAACTGTAACAGTAGAGACTATGGAACCTTCTCAGGA  
 TGAGGCACGGACCACAGATAACAATGTGGGCCCACTCCAGTGATCGATTGGGAGACCACCAATGTAACC  
 ACATCTTTACGCCACAGAGCACAAGGTGACAGAAAAACATTACCATCCCAGTAACTGACATCAACA  
 GCGGAATCCCAGGAATTGATGAGGTCATGAAAACAATAAATCATTATTGGGTGTTTTGTGGCCATCAC  
 ACTCATGGCTGCCGTGATGCTGGTCATTTCTACAAGATGAGGAAACAGCACCATCGGCAAAACCACCAT  
 GCTCCAACAAGGACTGTTGAAATCATTAACTGGATGATGAGATCACTGGGGACACGCCCATGGAAGCC  
 ACCTGCCCATGCCTGCGATTGAGCATGAGCACCTAAACCACTATAACTCTTACAAATCTCCCTTCAACCA  
 CACAACAACAGTAAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAAC  
 TCTAAAGACAATGTACAAGAGACTCAGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001289744

**Insert Size:** 1923 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289744.1</a></u> , <u><a href="#">NP_001276673.1</a></u>
<b>RefSeq Size:</b>	3440 bp
<b>RefSeq ORF:</b>	1923 bp
<b>Locus ID:</b>	241568
<b>UniProt ID:</b>	<u><a href="#">Q8C031</a></u>
<b>Cytogenetics:</b>	2 E1
<b>Gene Summary:</b>	May promote neurite outgrowth of developing thalamic neurons.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 5. All seven variants encode the same protein.