

Product datasheet for **MC228551**

Lrrc4c (NM_001289743) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrc4c (NM_001289743) 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: >MC228551 representing NM_001289743
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGAACAAGATGACCTTACATCCACAGCAGATAATGATAGGTCCTAGGTTTAAACAGGGCCCTATTTG
 ACCCCCTGCTTGTGGTGCTGTTGGCTCTTCAACTTCTTGTGGTGGCTGGTTTGGTTCGTGCTCAAACCTG
 CCCTTCAGTGTGCTCTTGTAGCAACCAGTTCAGCAAGGTGATTTGTGTTTCGGAAAAACCTTCGTGAAGTT
 CCGGATGGCATCTCCACCAACACAAGGCTGCTGAACCTCCATGAGAACCAAATCCAGATCATTAAAGTGA
 ACAGCTTCAAGCATTGAGGCACCTAGAAATCCTCCAGTTGAGCAGGAACCATATTCGAACCATTGAAAT
 CGGGGCCCTTCAATGGTCTGGCCAACTCAACACCTGGAACCTTTGACAATCGTCTTACTACCATACCG
 AATGGAGCTTTTGTATATTTGTCTAAACTGAAGGAGCTCTGGTTGAGGAACAACCTATTGAAAGCATCC
 CTTCTATGCTTTAACAGAATCCCTTCTTTGCGCCGCTGGACTTAGGGGAATTGAAAAGGCTTTCATA
 CATCTCAGAAGGTGCCTTTGAAGTCTGTCCAACCTGAGGTATTGAACCTTGCCATGTGCAACCTTCGG
 GAAATCCCTAACCTCACACCACTCATCAAACCTGACGAGCTAGATCTTTCTGGGAACCATTTGTCTGCAA
 TCAGGCCTGGCTCTTTTCAGGGTTGATGCACCTTCAAAAACCTGTGGATGATACAGTCTCAGATTCAAGT
 GATTGAACGGAATGCCTTTGATAACCTTCAGTCACTAGTGGAGATAAACTTGGCACAACAATCTAACA
 TTATTGCCTCATGACCTTTCACACCTTGATCATCTAGAGAGGATACACCTCCATCACAACCCGTGGA
 ACTGTAAGTGTGATATCTGTGGCTCAGCTGGTGGATAAGAGACATGGCCCCCTCCAACACAGCTTGCTG
 TGCCAGGTGTAACACTCCCCAACCTGAAAGGGAGGTACATCGGAGAGCTGGACCAGAATTACTTTACA
 TGCTATGCTCCCGTAATTGTGGAGCCCCCTGCAGACCTCAATGTCACCTGAAGGCATGGCAGCTGAGCTGA
 AATGTCGGGCTTCTACGTCCTGACTCCGTATCTTGGATTACTCCAAATGGAACAGTCAAGCCACGG
 GGATACAAAGTGCAGATAGCTGTGCTCAGCAGGACTTTAAATTTCAAAATGTAACCTGTGCAAGAC
 ACAGGCATGTACACATGTATGGTGAATACTTGTGGCAACACCACTGCTTCTGCCACCTTGAATGTTA
 CTGCGGCAACCACTACTCCGTTCTCGTACTTTTCAACTGTAACAGTAGAGACTATGGAACCTTCTCAGGA
 TGAGGCACGGACCACAGATAACAATGTGGGCCCACTCCAGTGATCGATTGGGAGACCACCAATGTAACC
 ACATCTTTACGCCACAGAGCACAAGGTCGACAGAAAAACATTCACCATCCCAGTAACTGACATCAACA
 GCGGAATCCCAGGAATTGATGAGGTCATGAAAACAATAAAATCATTATTGGGTGTTTTGTGCCATCAC
 ACTCATGGCTGCCGTGATGCTGGTCATTTCTACAAGATGAGGAAACAGCACCATCGGCAAAACCACCAT
 GCTCCAACAAGGACTGTTGAAATCATTAACTGGATGATGAGATCACTGGGGACACGCCATGGAAGCC
 ACCTGCCATGCCTGCGATTGAGCATGAGCACCTAAACCACTATAACTCTTACAAATCTCCCTTCAACCA
 CACAACAACAGTAAACACAATAAATTCAATACACAGTTCAGTGCATGAACCGTTATTGATCCGAATGAAC
 TCTAAAGACAATGTACAAGAGACTCAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289743

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.

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:	<ol style="list-style-type: none">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:	<u>NM_001289743.1, NP_001276672.1</u>
RefSeq Size:	3644 bp
RefSeq ORF:	1923 bp
Locus ID:	241568
UniProt ID:	<u>Q8C031</u>
Cytogenetics:	2 E1
Gene Summary:	May promote neurite outgrowth of developing thalamic neurons.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 5. All seven variants encode the same protein.