

## Product datasheet for **MC217344**

### Lrrtm2 (NM\_178005) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm2 (NM_178005) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrtm2
Synonyms:	AI851755; BB129880; C630011A14Rik; mKIAA0416
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC217344 representing NM\_178005  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTTACATTCAAGTGGCCATTAGGGGCCCTATGCTGGCAGCAATATATGCAATGAGTGTGGTAT  
 TAAAAATGCTGCCTGCCCTGGGTATGGCGTGTCCACCTAAATGCCGCTGTGAGAAGCTGCTATTCTACTG  
 CGACTCTCAGGGCTTCCACTCAGTGCCAAACGCCACAGACAAGGGTTCTTTGGGTCTGTCCCTGAGGCAC  
 AATCACATCACAGCGCTTAAAGAGATCAATTTGCCAGCTTCACTCAACTCACCTGGCTCCACTTAGATC  
 ACAATCAAATTTCCACAGTAAAAGAAGACGCTTTCCAAGGACTGTATAAACTAAAGGAGTTAATCTTAAG  
 TTCCAACAAAATATTCTACTTGCCAAACACAACTTTTACCAACTGATTAATCTGCAAAATTTGGACCTG  
 TCTTTAATCAGCTGTCATCTGTCATCCTGAGCTTCTATGGCCTTCGGAAGCTGCAGACCTTGCAAT  
 TACGTTCAAACCTCCCTGCGGACTATCCAGTACGCCTGTTCTGGGACTGTCGTAGTCTAGAGTTTCTGGA  
 TCTGAGCACAACCGTTTGCAGTGGCTCGAAATGGATTTGCAGGATTAATCAAACCTGAGAGAGCTT  
 CATCTAGAGCACAATCAGCTGACGAAGATTAATTTTGGTCACTTCTCCGGCTAAGCAGTCTGCACACAC  
 TCTTCTTACAATGGAACAAAATCAGCAACTTGACGTGTGGGATGGACTGGACCTGGAGCACTTTAGAAAA  
 GCTAGACCTAACTGGAATGAAATCAAAGCCATCGACTTGACAGTGTTCGAGACCATGCCTAATCTTAAA  
 ATACTTCTCATGGATAACAACAAGTTAAACAGTCTTGATTCCAAAATCTTAACTCCCTGAAATCCCTCA  
 CGACCGTTGGCCTCTCTGGCAATCTGTGGGAATGCAGCCCCAGAGTGTGTCTCTTGCCCTCTGGCTGGG  
 CAGTTTCCAAGGTCGGTGGGAGCACTCCATCCTATGCCACAGCCCTGACCACACCAAGGAGAGGATATT  
 CTAGATGCAGTCCACGGGTTTTCAGCTCTGCTGGAATTTATCAACCACTGCTACTGCCATGGCTACAACCT  
 ATAGAGATCCAACCACTGAATATACAAAAATAAGCTCGTCGAGTTACCATGTAGGAGACAAGAAATTC  
 AACTACTGCAGGCATAGCAGTCACTACAGAGGAACACTTTCTGAACCTGACAATGCCATCTTTACTCAG  
 AGAGTAATTACAGGAACATGGCTTTATTGTTTTCTTTCTTTTTATTATTTTTATAGTGTTCATTTCCA  
 GGAAGTGTGCCCTCCACTTTGAGAAGAATTAGGCAGTGTCAATGATTGAGAACCACAGGCAGCTCCG  
 ATCCCAAACACGACTCCATATGTCAAACATGTCAGACCAAGGACCGTATAATGAGTATGAACCCACCCAT  
 GAAGGACCTTTCATCATTAATGTTATGGACAGTGAAGTGTGAGCAGCTGCCATACAAGAATGTG  
 AAGT**A**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_178005
- Insert Size:** 1548 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).
- 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\\_178005.4](#), [NP\\_821072.1](#)

**RefSeq Size:** 5673 bp

**RefSeq ORF:** 1548 bp

**Locus ID:** 107065

**UniProt ID:** [Q8BGA3](#)

**Cytogenetics:** 18 B1

**Gene Summary:** Involved in the development and maintenance of excitatory synapse in the vertebrate nervous system. Regulates surface expression of AMPA receptors and instructs the development of functional glutamate release sites. Acts as a ligand for the presynaptic receptors NRXN1-A and NRXN1-B (By similarity).[UniProtKB/Swiss-Prot Function]