

Product datasheet for **RN215346**

Lrrtm2 (NM_001109469) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm2 (NM_001109469) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrtm2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215346 representing NM_001109469
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGGCTTACATTCAAGTGGCCATTAGGGGCCCTATGCTGGCAGCAATATATGCAATGAGTGTGGTAT
 TAAAAATGCTGCCTGCCCTGGGTATGGCGTGCCACCTAAATGCCGCTGTGAGAAGCTGCTATTCTACTG
 CGACTCTCAGGGCTTCCACTCAGTGCCAAACGCCACAGACAAGGGTTCTCTGGGCTGTCCCTGAGGCAC
 AATCACATCACAGCGCTTGAAAGAGATCAATTTGCCAGCTTCAGTCAACTCACCTGGCTCCACTTAGATC
 ACAATCAAATTTCAACAGTAAAAGAAGATGCTTTCCAAGGACTATATAAACTAAAGGAGTTAATCTTAAG
 TTCCAACAAAATATTTACTTGCCAAACACAATTTTACCCAAGTATTAATCTGCAGAAATTTGGACCTC
 TCTTTAATCAGCTGTCATCTGCAACCCTGAGCTCTTCTATGGCCTTCGGAAGCTGCAGACCTTGATC
 TCGGTTCCAACCTCCTGCGGACTATCCAGTTCGCCTGTTCTGGGACTGTCGTAGTCTAGAGTTTCTGGA
 TTTGAGCACAACCGTTTGCAGTTTGGCTCGCAATGGATTTGCAGGATTAATCAAAGTGGGAGCTT
 CATCTAGAGCACAATCAGCTGACAAAGATTAATTTTGCTATTTCTTCGGCTAAGCAGTCTGCACACAC
 TCTTCTACAATGGAACAAAATCAGCAACTTGACGTGTGGGATGGAGTGGACCTGGAGCACTTTAGAAAA
 GCTAGACCTAACTGGAATGAAATCAAAGCCATCGACTTGACAGTGTTCGAGACCATGCCTAATCTTAA
 ATACTTCTCATGGATAACAACAAGTTAAATAGTCTTGATTCCAAAATCTTAAGCTCCCTGAGATCCCTCA
 CAACCGTTGGCTCTCTGGCAATCTGTGGGAATGCAGCCCCAGAGTCTGTGCTCTTGCTCCTGGCTGGG
 CAGTTTCCAAGGTCGGTGGGAGCATTCCATCCTATGCCACAGCCCTGACCACACCAAGGAGAGGATATT
 CTAGATGCAGTCCACGGCTTTGAGCTCTGCTGGAATTTATCAACCACTGTCACTGCCATGGCTACAACCT
 ATAGAGATCCAACCACTGAATATACAAAATAAGCTCATCAAGTTACCATGTAGGAGACAAAGAAATTC
 AACTACTGCAGGCATAGCAGTTACTACAGAGGAACACTTTCTGAACAGACAATGCCATCTTTACTCAG
 CGAGTAATTACAGGAACATGGCTTTATTGTTTCTTTCTTTTATTATTTTATAGTGTTCATTTC
 GGAAGTGTGCCCTCCACTTTAAGAAGAATTAGGCAGTGCTCAATGATTGAGAACCACAGGCAGCTCCG
 ATCCCAACACGACTCCATATGTCAAACATGTGACCAAGGACCGTATAGTGAGTACGAGCCACCCAT
 GAAGGACCTTTCATCATTAATGGTTATGGACAGTGAAGTGTGAGCAGCTACCACAAAGGAATGTG
 AAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001109469

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_001109469.1](#), [NP_001102939.1](#)

RefSeq Size: 4715 bp

RefSeq ORF: 1548 bp

Locus ID: 685472

UniProt ID: [D4A7P2](#)

Cytogenetics: 18p11

Gene Summary: Involved in the development and maintenance of excitatory synapse in the 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. [UniProtKB/Swiss-Prot Function]