

## Product datasheet for **RN201538**

### **LRRTM1 (NM\_001109374) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	LRRTM1 (NM_001109374) Rat Untagged Clone
Tag:	Tag Free
Symbol:	LRRTM1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201538 representing NM\_001109374  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**C

ATGGATTTCTGCTACTCGGCCTCTGTCTACACTGGCTGCTGAGGAGCCCTCGGGGTGGTCTTGTGTC  
 TGCTGGGGCCTGCTTTTCAGATGCTGCCGCCGCCCCAGCGGATGCCCGGGCAGTGTCGGTGCGAGGG  
 GCGGCTGCTGACTGCGAGGCGCTCAACCTGACCGAGGCGCCCAACCTGTCCGGCTGCTGGGCTTG  
 TCTTTGCGCTACAACAGCCTCTCGGAGCTGCGCGCTGGCCAGTTCACAGGGTTAATGCAGCTCACGTGGC  
 TGTATTTGGATCACAAATCACATCTGCTCGGTGCAGGGGACGCCTTTAGAACTGCGCCGAGTTAAGGA  
 ACTCACACTGAGTTCCAACCAGATCACCGAACTGGCCAACACCACCTTTGCGCCCATGCCAACCTGCGC  
 AGCGTGGACCTGTCTACAACAAGCTGCAGGCGTAGCTCCGGATCTCTCCACGGGCTGCGGAAGCTCA  
 CCACCTGCACATGCGGGCCAATGCCATTCAATTCGTGCCGTGCGCATCTTTAGGACTGCCGAGCCT  
 CAAGTTTCTGCATTTGGATAACAATCAGCTCAAGAGTCTGGCGCGCAACTTTTCGCGGCTTGTCAAG  
 CTCACAGAGCTACACCTGGAGCATAACGACTTGATCAAGGTGAATTCGCCCATTTCCCGCGCTCATCT  
 CCCTGAACCTCGCTCTGCCTGAGGCGGAATAAGGTTGCCATTGTGGTCAGCTCTCTTGACTGGGTTTGAA  
 TTTGGAGAAAATGGACTTGTCTGGGAACGAGATCGAATACATGGAGCCCCATGTGTTGAGACCGTGCCG  
 TACCTGCAGTCCCACAGCTGGACTCCAACCGCCTCACCTACATTGAGCCCCGTATCCTCAACTCCTGGA  
 AGTCCCTTACGAGCATCACTCTAGCCGGGAACCTGTGGGACTGCGGGCGCAACGTGTGTGCCCTGGCTTC  
 CTGGCTCAGCAACTTCCAGGGACGTTACGATGCTAACTTGAGTGCGCCAGCCGGAGTACGCACAGGGC  
 GAGGACGCTTTGGATGCAGTTTATGCTTCCACTTGTGTGAGGATGGGGCCGAGCCACCAGCGGCCACC  
 TCCTGTGCGGCGCGCTCACTAACCGCAGTGACCTAGCGCCCTGAGAGCTCAGCCACGACTCTGGTGGA  
 CGGTGGGGAGGGGCTGCACGATAGCACGCTTGAACCCATCACCGTGGCTATCCCGCGGCTGAGCACGCA  
 GAGAACGCAAGTCAAATCCACAAGGTGGTCACGGGCACGATGGCCCTCATCTTCTCCTTCATCGTGG  
 TCCTCGTACTTTATGTATCCTGGAAGTGTTCAGCCAGCCTCAGGAGCTCAGACAGTCTTTGTAC  
 GCAGCGCAGGAAGCAGAAGCAGAAACAGACCATGCATCAGATGGCTGCTATGTCTGCCAGGAATATTAT  
 GTTGATTACAACCCAACCACATCGAGGGGGCCCTGGTTATCATCAACGAGTACGGCTCGTGTACCTGTC  
 ACCAGCAGCCTGCGAGGGAATGTGAGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001109374

**Insert Size:** 1572 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\\_001109374.1](#), [NP\\_001102844.1](#)

**RefSeq Size:** 2923 bp

**RefSeq ORF:** 1572 bp

**Locus ID:** 679668

**UniProt ID:** [D4A6D8](#)

**Cytogenetics:** 4q33

**Gene Summary:** Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation, acting at both pre- and postsynaptic level.[UniProtKB/Swiss-Prot Function]