

Product datasheet for **RN206453**

Lrrtm4 (NM_001134746) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm4 (NM_001134746) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lrrtm4
Synonyms:	RGD1560707
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206453 representing NM_001134746
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTTCCGTCTAATCACGCAGCTGAAAGGCATGAGTGTGCTTCTGGTCTATTTCCACCCTGCTGC
 TGGTTATGCTGACCGGGCGCAGAGAGCTTGCCCAAAGAAGTGCAGATGTGATGGCAAGATTGTACTG
 TGAGTCTCACGCCTTTCAGACATCCCTGAGAATTTCCGGAGGGTCACAAGGTTTATCCTTAAGGTTT
 AACAGCATTAGAACTCAAATCCAATCAGTTTCCCGCCTTAACCAGCTTATATGGCTTTATCTTGACC
 ATAATTACATTAGCTCAGTAGATGAAGATGCCTTTCAAGGGATCCGCAGACTGAAAGAATTAATTCTAAG
 CTCCAACAAAATTACCTATCTGCACAATAAAACATTTACCCAGTCCCAACCTCCGCAACCTGGATCTC
 TCCTACAACAACTTCAGACCTTACAATCTGAGCAGTTTAAAGGCCTCCGAAACTTATCATTTTGCCT
 TGCATCTAATTCTCTAAAGACTGTGCCATAAGGGTTTTCAAGACTGCCGAACTTGACTTTCTGGA
 TTTGGGTTACAATCGTCTCAGAAGCTTATCTCGAAATGCATTTGCTGGTCTTCTGAAGTTGAAAGAGCTT
 CATCTGGAGCATAATCAGTTTTCCAAGTCAACTTTGCTCAATTTCTCGTCTCTCAACCTGCCGTCCA
 TTTACCTGCAATGGAACAGGATCCGCTCTGTCAAGGCTAACGTGGACCTGGAGTTCTTGCATAC
 CTTGGATTTATCAGGGAATGACATCCAAGCAATCGAGCCTGGCACGTTCAAATGCCTCCCAATTTGCAG
 AAATTGAATTTGGATTCCAACAAGCTCACCAATGTCTCCAGGAGACTGTCAATGCGTGGATATCCTTAA
 TATCCATCACCTGTGCGGAAACATGTGGGAATGTAGTCGGAGCATCTGCCCTCTCTTCTACTGGCTGAA
 GAATTTCAAAGGGAATAAAGAAAGTACCATGATATGTGCAGGGCCTAAGCACATACAGGGTGAGAAGTT
 AGCGATGCTGTGGAGACTTACAATCTGCTCTGATGTCCAGGTGGTCAACACAGAAAGATCACACCTGG
 CGCTCAAACCTCCCAGAAGCCCCGTTCTTCCCAACCTACCATCTTCAAATCGGATGCCATCCCAGC
 CACACTGGAGGCAGTGAGCCATCCCCGGGCTTTCAAATTCAGGTACGGATCATGAGTATGAGCATGTG
 TCTTTTCAAAAATCATTGCAGGGAGCGTGCTCTGTTCTCTCGGTGGCCATGATTCTCTGGTATCT
 ATGTGCTTGGAAACGGTACCCAGCCAGCATGAAACAACCTCAAACAGCACTCACTTATGAAGAGGAGACG
 GAAAAAGCGAGGGAGTCCGAGAGACAAATGAATCCCCTTTACAGGAATACTACGTGGACTACAAGCCG
 ACGAACTCTGAGACCATGGATATATCGTTAATGGATCTGGTCCCTGCACATATACCATCTCTGGCTCCA
 GGGAGTGTGAGATGCCCCACCATGTGAAGCCCTTGCCGTATTACAGCTATGATCAACCAGTGATTGGGTA
 CTGCCAAGCCCACCAGCCCCCTTACATCAACAAGGCATATGAAGCTGTGTCCATAGAGCAGGACGACAGC
 CCCAGTTTGGAGCTTGGAGAGACCACAGCTTCATCGCCACCATAGCCAGGTCCGCTGCACCTGCCATTT
 ACCTGGAGAGAATAACAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1589_e11.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001134746

Insert Size: 1773 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_001134746.1](#), [NP_001128218.1](#)

RefSeq Size: 2732 bp

RefSeq ORF: 1773 bp

Locus ID: 500219

UniProt ID: [B4F7C5](#)

Cytogenetics: 4q34

Gene Summary: May play a role in the development and maintenance of the nervous system (By similarity). Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation. [UniProtKB/Swiss-Prot Function]