

Product datasheet for **MC228138**

Lrrtm4 (NM_001282102) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm4 (NM_001282102) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lrrtm4
Synonyms:	7530419J18Rik; A230052N11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228138 representing NM_001282102
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGT**TTCCGTCTAATCACGCAGCTGAAAGGCATGAGTGT**TTTCTGGTGCTATTTCCACCTGC
 TGCTGGTTATGCTGACGGGGCTCAGAGAGCTTGCCCAAAGAAGTGCAGATGCGATGGCAAGATTGTATA
 CTGTGAGTCTCACGCCTTCGCAGACATCCCTGAGAACATTTCTGGAGGGTCACAAGGTTTATCCTTAAGG
 TTCAACAGCATT**CAGAACTCAAATCCAATCAGTTTGCCGGCCTTAACCAGCTTATATGGCTTTATCTTG**
 ACCATAATTACATTAGCTCAGTGGACGAAGATGCCTTTCAAGGGATCCGCAGACTGAAAGAATTAATTCT
 AAGCTCCAACAAAATTACCTATCTGCACAATAAAACATTTACCCAGTCCCAACCTCCGCAACCTGGAT
 CTCTCTACAACAACTCAGACCTTACAGTCTGAGCAGTTTAAAGGCCTCCGAAACTCATTTTTGC
 ACTTGCATCTAATTCTCTCAAGACCGTCCCATACGGGTTTTCAAGACTGCCGGAACCTTGACTTTCT
 GGATTTGGGTTAATCGGCTCCGAAGTTATCCGAAACCGGTTTGCCGGTCTTCTGAAGTTAAAGAG
 CTCCACCTGGAGCATAATCAGTTTTCAAGATCAACTTTGCTCATTTTCTCGTCTTCAACCTGCGAT
 CCATCTACCTGCAATGGAACAGGATCCGCTCTGTCAAGGCCTAACATGGACCTGGAGTTCTTGCA
 CACCTTGGATTTATCAGGGAATGACATCCAAGCAATCGAGCCTGGCACATTTAAATGCCTCCCAATTTG
 CAAAAATTGAATTTGGATTCCAACAAGCTACCAATGTCTCCAGGAGACTGTCAATGCATGGATATCCT
 TAATATCCATCACCTGTCTGGAACATGTGGGAATGTAGTCCGAGCATCTGTCTCTATTCTACTGGCT
 GAAGAATTTCAAAGGGAATAAGAAAGTACCATGATATGTGCAGGGCCTAAGCACATACAGGGTGAAG
 GTTAGCGATGCCGTGGAGACTTACAACATCTGCTCTGATGTCCAGGTGGTCAACACAGAACGATCACATC
 TGCGCCCTCAAACCTCCCAAGACCCCGTTTCAATCCCAACCTACCATCTTCAAACCGGATGCATCCC
 AGCCACCTAGAGGCAGT**GAGCCATCCCGGGCTTTCAAATTCAGGTACGGATCATGAGTACGAGCAC**
 GTGTGTTTTCAAAAATCATCGCAGGGAGCGTGGCTCTGTTCTCTCCGTGGCCATGATTCTCCTGGTGA
 TCTATGTGCTTGAAACCGTACCCAGCCAGCATGAAACAACCTCAACAGCACTCACTTATGAAGAGGAG
 ACGGAAAAAGCGAGGGAGTCCGAGAGACAGATGAATTCCTTTACAGGAATACTACGTGGACTACAAA
 CCGACGAACTCTGAGACCATGGATATATCGGTTAATGGATCTGGTCCCTGCACATATACCATCTCGCT
 CCAGGGAGTGTGAGGT**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001282102
- Insert Size:** 1560 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:

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_001282102.1](#), [NP_001269031.1](#)

RefSeq Size: 3629 bp

RefSeq ORF: 1560 bp

Locus ID: 243499

Cytogenetics: 6 C3

Gene Summary: May play a role in the development and maintenance of the vertebrate nervous system. Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate 5' terminal exon, and thus differs in the 5' UTR and 5' coding region, compared to variant 1. These differences result in translation initiation at an alternate AUG and result in an isoform (2) with a longer and distinct N-terminus, compared to isoform 1.