

Product datasheet for **SC107226**

LRRTM1 (NM_178839) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRTM1 (NM_178839) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRTM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107226 sequence for NM_178839 edited (data generated by NextGen Sequencing)

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ATGGATTTCTGCTGCTCGGTCTCTGTCTATACTGGTGCTGAGGAGGCCCTCGGGGGTG
GTCTTGTGTCTGCTGGGGGCTGCTTTTCAGATGCTGCCCGCCGCCCCAGCGGGTGCCCG
CAGCTGTGCCGGTGCAGGGGGCGCTGCTGTACTGCGAGGCGCTCAACCTCACCGAGGCG
CCCCACAACCTGTCCGGCTGCTGGGCTTGTCCCTGCGCTACAACAGCCTCTCGGAGCTG
CCGCGCCGCCAGTTCACGGGGTTAATGCAGCTCACGTGGCTCTATCTGGATCACAATCAC
ATCTGCTCCGTGCAGGGGACGCCTTTTCAGAACTGCGCCGAGTTAAGGAACTCACGCTG
AGTTCCAACCCAGATCACCAACTGCCAACACCACTTCCGGCCCATGCCAACCTGCGC
AGCGTGGACCTCTCGTACAACAAGCTGCAGGCGCTCGCGCCGACCTCTTCCACGGGCTG
CGGAAGCTCACACGCTGCATATGCGGGCCAACGCCATCCAGTTTGTGCCCGTGCGCATC
TTCCAGGACTGCCGAGCCTCAAGTTTCTGACATCGGATACAATCAGCTCAAGAGTCTG
GCGCGCAACTCTTTCGCCGGCTTGTTAAAGCTCACCGAGCTGCACCTCGAGCACAACGAC
TTGGTCAAGGTGAACTTCGCCCACTTCCGCGCCTCATCTCCCTGCACTCGCTCTGCCTG
CGGAGGAACAAGGTGGCCATTGTGGTCACTCGCTGGACTGGGTTTGGAACTGGAGAAA
ATGGACTTGTTCGGCAACGAGATCGAGTACATGGAGCCCATGTGTTTCGAGACCGTGCCG
CACCTGCAGTCCCTGCAGCTGGACTCCAACCGCCTCACCTACATCGAGCCCCGGATCCTC
AACTCTTGGAAAGTCCCTGACAAGCATCACCTGGCCGGGAACCTGTGGGATTGCGGGGCGC
AACGTGTGTGCCCTAGCCTCGTGGCTCAGCAACTTCCAGGGGCGCTACGATGGCAACTTG
CAGTGCGCCAGCCCGAGTACGCACAGGGCGAGGACGTCTGGACGCCGTGTACGCCCTTC
CACCTGTGCGAGGATGGGGCCGAGCCACCAGCGGCCACTGCTCTCGGCCGTACCAAC
CGCAGTGATCTGGGGCCCCCTGCCAGCTCGGCCACCAGCTCGCGGACGGCGGGGAGGGG
CAGCAGCAGCGCACATTCGAGCCTGCCACCGTGGCTCTTCCAGGGCGGAGCAGCGCCGAG
AACGCCGTGCAGATCCACAAGGTGGTACGGGACCATGGCCCTCATCTTCTCCTTCTCCTC
ATCGTGGTCTGTGCTCTACGTGCTCCTGGAAGTGTTCACAGCCAGCCTCAGGCAGCTC
AGACAGTGCTTTGTACGCAGCGCAGGAAGCAAAAGCAGAAAACAGACCATGCATCAGATG
GCTGCCATGTCTGCCAGGAATACTACGTTGATTACAAACCGAACACATTGAGGGAGCC
CTGGTGATCATCAACGAGTATGGCTCGTGTACCTGCCACCAGCAGCCCGGAGGGAATGC
GAGGTGTGA
    
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Clone variation with respect to NM_178839.4
989 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_178839 unedited

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NGAGTCACATTTGTATACGACTCATATAGGCGGCCGCGNATCGGCACGAGGGAAGGAGCC
CGGGCGCCGCTCGCCGCTCCCCGCGCCGCGTCCGCACCTCCCCACCGCCCGCCGCCCGC
CGCCCGCCGCCCAAAGCATGAGTGAGCCGCTCTCTGCAGCTGCCGGGGCGCGAATG
GCAGGCTGTTTCCGCGGAGTAAAAGGTGGCGCCGGTCACTGGTCTGTTTCCAATGACGGAC
ATTAACCAGACTGTCAGATCCTGGGAGTCCGAGCCCCGAGTTTGGAGTTTTTCCCCC
CACAACGTACAGTCCGAACTGCAGAGGAAAGGAAGGCGCAGGAAGGCGAAGCTCGGG
CTCCGGCACGTAGTTGGGAAACTTGCGGGTCTAGAAAGTGCCTCCCCGCCTTGGCCGGC
GCCCTTGACGCCCGAGCCGAGCAGCAAAGTGAGACATTTGTGCGCTGCCAGATCCGCCG
GCCGCGGACCGGGGCTGCCTCGGAAACACAGAGGGGTCTTCTCTCGCCCTGCATAAATT
AGCCTGCACACAAAGGGAGCAGCTGAATGGAGGTTGTCACTCTTGAAAAGGATTTCTG
ACCGAGCGCTTCCAATGGACATTCTCCAGTCTCTCTGAAAGATTCTCGTAATGGATTT
CCTGCTGCTCGGTCTCTGTCTATACTGGCTGCTGANGAGGCCCTCGGNGGTGGTCTTGTG
TCTGCTGGGGCCTGCTNTCAGATGCTGCCCGCCGCCCCAGCGGGTGCCCGCANCTGTG
CCGCTGCAAGGGGCGGCTGCTGTACTGCGAGGCGCTCAACCTNACCGAGGCGCCCAAC
CCTGTNCCGCTGCTGNGCTTGGTCCCTGCGCTACAACAGCCTCTCGGAG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_178839 unedited TCATTTTAGNTCTTACAAAAAAAAAAAAAAAACAATGATTGGTACCTTTTTTACACTCTCAG ATTCCTGAATATGGACAGATCTTCAAAGGGAGGAAGGAGTTCTCATATGAAATTTAAGAT AGACTGTCCTGAAGTTGTGGGTGGGGTTTTTTGTTGTGTTTTAATTCGCTTTTGT TAAGACACAATAAAGCTAAAATGTCAAGTCTCTGGGAGAGATCCCCTTAAAGTTTCAGTC AAGGACATATCAGAGCACAGACAAGGAGACCCAGCCTGGTGCCCGCCGGCCCGTCCCG GCTGCCAGGCGTATTTGGTAGCGCATGGGTTGAGAGCCACTGGGACAATCACACCTCGC ATTCCCTCGCGGGCTGCTGGTGGCAGGTACACGAGCCATACTCGTTGATGATCACCAAGG CTCCCTCAATGTGGTTCCGTTTGAATCAACCTAGTATTCTGGGAGACATGGCAGCCC TCTGGTGCCTGGTCCGAATTCGCCTTAGCCCTCCCGCGTGCCTGACAAAGCCCTGTCT GAGCCTGCCAAGCCCGCCGGGAAACACTTCCCGACCACGTAGCCCTCCAGGCCACCA TGAACACGCGCAAAAAGAGAAACAATGGGCGCCGTAACCCCTTGGTGGTCCCGCAGAGC ATCCCTGTTTCCACCCCTCGAGCTCCCGCGCCATGCAGAACGCGCACGCAGCCGC CGCCCCCCCCCCCCAACGTCGCCGACGAACCCACCTGAGACCCACAAACTCGCCG TGGGCCCTCCGTTAAAGCGCCTCGCCACTCGTTTCGAGCTGCCCCGGAGTCCGAGAAGTGA ATCAGACCCGTCCTCCATAAGACACACCGACGACGCCACC
Restriction Sites:	NotI-NotI
ACCN:	NM_178839
Insert Size:	2800 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:	<ol style="list-style-type: none"> 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:	<u>NM_178839.3</u> , <u>NP_849161.1</u>
RefSeq Size:	4104 bp
RefSeq ORF:	2217 bp
Locus ID:	347730
UniProt ID:	<u>Q86UE6</u>
Cytogenetics:	2p12
Protein Families:	Transmembrane
Gene Summary:	Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation, acting at both pre- and postsynaptic level.[UniProtKB/Swiss-Prot Function]