

Product datasheet for **SC106512**

LRRTM3 (NM_178011) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRTM3 (NM_178011) Human Untagged Clone
Tag:	Tag Free
Symbol:	LRRTM3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC106512 sequence for NM_178011 edited (data generated by NextGen Sequencing)

```
ATGGGTTTCAATGTAATTAGGCTACTGAGCGGATCAGCTGTAGCACTGGTTATAGCCCC
ACTGTCTTACTGACAATGCTTTCTTCTGCCGAACGAGGATGCCCTAAGGGCTGTAGGTGT
GAAGGCAAAATGGTATATTGTGAATCTCAGAAATTACAGGAGATACCCTCAAGTATATCT
GCTGGTTGCTTAGGTTTGTCCCTTCGCTATAACAGCCTTCAAAAACCTTAAGTATAATCAA
TTTAAAGGGCTCAACAGCTCACCTGGCTATACCTTGACCATAACCATATCAGCAATATT
GACGAAAATGCTTTTAAATGGAATACGCAGACTCAAAGAGCTGATTCTTAGTTCCAATAGA
ATCTCCTATTTTCTTAACAATACCTTCAGACCTGTGACAAATTTACGGAACCTGGATCTG
TCCTATAATCAGCTGCATTCTCTGGGATCTGAACAGTTTCGGGGCTTGCGGAAGCTGCTG
AGTTTACATTTACGGTCTAACTCCCTGAGAACCATCCCTGTGCGAATATTCCAAGACTGC
CGCAACCTGGAACCTTTGGACCTGGGATATAACCGGATCCGAAGTTTAGCCAGGAATGTC
TTTGCTGGCATGATCAGACTCAAAGAACTTCACCTGGAGCACAATCAATTTTCCAAGCTC
AACCTGGCCCTTTTCCAAGTTGGTCAGCCTTCAGAACCTTTACTTGCAGTGGAATAAA
ATCAGTGTATAGGACAGACCATGTCCTGGACCTGGAGCTCCTTACAAAGGCTTGATTTA
TCAGGCAATGAGATCGAAGCTTTCAAGTGACCCAGTGTTTTCCAGTGTGTCCCGAATCTG
CAGCGCCTCAACCTGGATTCCAACAAGCTCACATTTATTGGTCAAGAGATTTTGGATTCT
TGGATATCCCTCAATGACATCAGTCTTGCTGGGAATATATGGGAATGCAGCAGAAATATT
TGCTCCCTTGTAAGCTGGCTGAAAAGTTTTAAAGGTCTAAGGGAGAATACAATTATCTGT
GCCAGTCCCAAAGAGCTGCAAGGAGTAAATGTGATCGATGCAGTGAAGAACTACAGCATC
TGTGGCAAAAGTACTACAGAGAGTTTGATCTGGCCAGGGCTCTCCCAAAGCCGACGTTT
AAGCCCAAGCTCCCGAGCCGAAGCATGAGAGCAAAACCCCTTTGCCCGGACGGTGGGA
GCCACAGAGCCCGGCCGAGAGACCGATGCTGACGCCGAGCAGTCTCTTTCCATAAAATC
ATCGCGGGCAGCGTGCGCTTTTCTGTCCGTGCTCGTCATCCTGCTGGTTATCTACGTG
TCATGGAAGCGGTACCCTGCGAGCATGAAGCAGCTGCAGCAGCGCTCCCTCATGCGAAGG
CACAGGAAAAAGAAAAGACAGTCCCTAAAGCAAATGACTCCAGCACCCAGGAATTTTAT
GTAGATTATAAACCACCAACACGGAGACCAGCGAGATGCTGCTGAATGGGACGGGACCC
TGCACCTATAACAAATCGGGCTCCAGGGAGTGTGAGATACCTTTATCAATGAATGTGTCA
ACCTTTCTGGCATACGACCAGCCACAATAAGTTACTGTGGGGTGCATCATGAATTCTC
TCCCATAGTCTTTGAAACGAATGCACAGGAAGATACGATGGAACACACCTAGAGACT
GAGCTGGACCTGAGCACAATCACAACAGCTGGCCGAATCAGTGACCATAAACAGCAGCTA
GCTTAA
```

Clone variation with respect to NM_178011.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_178011 unedited

```
GTAAGTCATATATTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCAGC
TTTCAGAAATGACAGTCTGCAGAAGTTGAGCTAAGCGTGTGCGCGGTACGGGGCTCTCCTG
CCTTCTGGGCTCCAACGAGCTCTGTGGCTGAAGTGGGTGCTCATCAGGGAAGTCTGG
GCTATGGAATACAGATGTGGCAGCTCAGGTAGCCCAAATTCCTGGAAGAATACATCAT
GTTTTTCGATAAGAAGAAATTGTAGGATCCAGTTTTTTTTTTTAAACCGCCCCCTCCCCA
CCCCCAAAAACTGTAAAGATGCAAAAACGTAATATCCATGAAGATCCTATTACCTAGG
AAGATTTTGATGTTTTGCTGCGAATGCGGTGTTGGGATTTATTTGTTCTTGAGTGTTCT
GCGTGGCTGGCAAGAATAATGTTCCAAAATCGGTCCATCTCCCAAGGGGTCCAATTTT
CTTCTGGGTGTCAGCGAGCCCTGACTCACTACAGTGCAGCTGACAGGGGCTGTCATGCA
ACTGGCCCTAAGCCAAAGCAAAAGACCTAAGGACGACCTTTGAACAATACAAAGGATGG
GTTTCAATGTAATTAGGCTACTGAGCGGATCAGCTGTAGCACTGGTTATAGCCCCCACTG
TCTTACTGACAATGCTTTCTTCTGCCGAACGAGGATGCCCTAAGGGCTGTAGGTGTGAAG
GCAAAATGGTATATTGTGAATCTCAGAAATTACAGGAGATACCCTCAAGTATATCTGCTG
GTTGCTTAGGTTTGTCCCTTCGCTATAACAGCCTTTCAAACTTAAGTATAATCAATTTA
AAGGGCTCAACAGCTCACCTGGCTATACCTTGACCATNNACCATATCAGCATATTGACA
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_178011 unedited <pre> AGCTATGGACCGCGTGCCGCAATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTATGTTAAATACCCCTCTTTATACATTACATT TCACTGGTTAAAACTAGGCTGTAATCAAGGCAACCGTTAAGTCTGAGAACTGTAAAA AAATCTTTGATTTTTTTTCATTTTTAAAAAACCTGCCTATGTAATTGAAAAACCTCT TACAAGCTGAACAATTAATCCTTTTTGGGTAATGGATTATTTCTGGAACAAGTAGATA AAATTCTACCCCGTAAGCATAATAAAATCGTGCATGTTTCGCACAGCACAAAATTTAA AGTCAAGGTTTCTGGGCCAAAAGCCGTAACAAAACAGTCCTTACAAAACCTGAGTAACTC TGAATAACCCAAGAAATAATTTTTGTTAATTTAAATTTTAAAAACTGAAATGTGTAAG TTTTTAAAGTAAATGGAATTAATTATGGGACTGGACATACCAGTTGTTTCTACAATTG AACTTTACAATATGAAAAATACATTAGCTTTGTACAGTTTTTACAGGTAGGTAGGATGA GTTTTGAAAAAAAAGATTCTTTTATTTTTCAGGGTCATACTCTGGTTAAGTCAAAAAAT ACTGCACAACCTAGCTTATTACAAAGGTAGACTTAAACAATTCATGTCTTCTTTATTT CATGAATCAATCTTGGGTTTTTGGTTTATTTGAACCGGGGATTTTGNNGTTTGGTTTG TTTTTAGAGTCCACATGAACACATTTTCCCTCATTTTGGCCCTGGGAGGTACAAAAGTT TGGTAGCCACCCCGCCCTCCCATGGTCCTCANGTAACTAGCTGCTGGTTATGGGCCCC TGATTCACCCACCTGTTGGGATTGGGGCTCAGGTCCCGCTAAATTCCTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_178011
Insert Size:	3200 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:	<u>NM_178011.2, NP_821079.2</u>
RefSeq Size:	3806 bp
RefSeq ORF:	1746 bp
Locus ID:	347731
UniProt ID:	<u>Q86VH5</u>
Cytogenetics:	10q21.3
Protein Families:	Transmembrane

Gene Summary:

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

Transcript Variant: This variant (1) represents the longer transcript and encodes the protein.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.