

Product datasheet for **RR201538**

LRRTM1 (NM_001109374) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR201538 representing NM_001109374
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTTCTGCTACTCGGCCTCTGTCTACACTGGCTGCTGAGGAGCCCTCGGGGTGGTCTTGTGTC
 TGCTGGGGCCTGCTTTTCAAGATGCTGCCGCCGCCCCAGCGGATGCCCGGGCAGTGTCGGTGCGAGGG
 GCGGCTGCTGACTGCGAGGCGCTCAACCTGACCGAGGCGCCCAACCTGTCCGGCTGCTGGGCTTG
 TCTTTGCGCTACAACAGCCTCTCGGAGCTGCGCGCTGGCCAGTTCACAGGGTTAATGCAGCTCACGTGGC
 TGTATTTGGATACAATCACATCTGCTCGGTGCAGGGGACGCCTTTAGAACTGCGCCGAGTTAAGGA
 ACTCACACTGAGTTCCAACAGATCACCGAAGTGGCAACACCACCTTTGCGCCATGCCAACCTGCGC
 AGCGTGGACCTGTCTACAACAAGCTGCAGGCGTAGCTCCGGATCTTCCACGGGCTCGGAAGCTCA
 CCACCTGCACATGCGGGCCAATGCCATTCAATTCGTGCCGTGCGCATTTTCAGGACTGCCGAGCCT
 CAAGTTTCTGCATTGGATAACAATCAGCTCAAGAGTCTGGCGGCAACTTTTCGCGGCTTGTCAAG
 CTCACAGAGCTACACCTGGAGCATAACGACTTGATCAAGTGAAGTTCGCCCATTTCCCGCCTCATCT
 CCCTGAATCGCTCTGCCTGAGGCGGAATAAGGTTGCCATTGTGGTCAGCTCTCTTGACTGGGTTTGAA
 TTTGGAGAAAATGGACTTGTCTGGGAACGAGATCGAATACATGGAGCCCATGTGTTGAGACCGTGCCG
 TACCTGCAGTCCCTACAGCTGGACTCCAACCGCTCACCTACATTGAGCCCCGTATCCTCAACTCTGGA
 AGTCCCTTACGAGCATCACTCTAGCCGGAACTGTGGGACTGCGGGCGCAACGTGTGTGCCCTGGCTTC
 CTGGCTCAGCAACTTCCAGGGACGTTACGATGCTAACTTGCAAGTGCAGTGCAGCCAGCCGGAGTACGCACAGGGC
 GAGGACGCTTTGGATGCAGTTTATGCTTCCACTTGTGTGAGGATGGGGCCGAGCCACCAGCGGCCACC
 TCCTGTGCGGCGCGCTCACTAACCGCAGTGCACCTAGCGCCCTGAGAGCTCAGCCACGACTCTGGTGGA
 CGGTGGGAGGGGCTGCACGATAGCACGCTTGAACCCATCACCGTGGCTATCCCGCGGCTGAGCACGCA
 GAGAACGCAAGTCAAATCCACAAGTGGTCACGGGCACGATGGCCCTCATCTTCTCCTTCTCATCGTGG
 TCCTCGTACTTTATGTATCCTGGAAGTGTTCAGCCAGCCTCAGGCAGCTCAGACAGTCTTTGTAC
 GCAGCGCAGGAAGCAGAAGCAGAAACAGACCATGCATCAGATGGCTGCTATGTCTGCCAGGAATATTAT
 GTTGATTACAACCCAAACACATCGAGGGGGCCCTGGTTATCATCAACGAGTACGGCTCGTGTACCTGTC
 ACCAGCAGCTGCGAGGGAATGTGAGGTGACCAGCAGCCTGCGAGGGAATGTGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201538 representing NM_001109374
 Red=Cloning site Green=Tags(s)

MDFLLGLCLHWLLRRPSGVVLCLLGACFQMLPAAPSGCPGQCRCEGRLLYCEALNLTEAPHNLSGLLGL
 SLRYNSLSELRAGQFTGLMQLTWLYLDHNHICSVQDAFQKLRRVKELTLSSNQITELANTTFRPMPNLR
 SVDLSYNKLQALAPDLFHGLRKLTLHMRANAIQFVPRIFQDCRSLKFLDIGYNQLKSLARNSFAGLFK
 LTELHLEHNDLIKVNFAHFPRILSNLCLRRNKVAIVVSSLDWVWNLEKMDLSGNEIEYMEPHVFETVP
 YLQSLQLDSNRLTYIEPRILNSWKSLSITLAGNLDWGRNVCALASWLSNFQGRYDANLQCASPEYAQG
 EDVLDVAYAFHLCEDGAEPSTGHLLSAAVTNRSDLAPPESSATTLVDGGEGLHDSLEPITVAIPGGEHA
 ENAVQIHKVVTGTMALIFSFLIVVLVLYVSWKCFPASLRQLRQCFVTQRRKQKQKQTMHQMAAMSAQEYY
 VDYKPNHIEGALVIINEYGSCTCHQQPARECEVTSSLRGNVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1575_a03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001109374

ORF Size: 1569 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size: 2923 bp

RefSeq ORF: 1572 bp

Locus ID: 679668

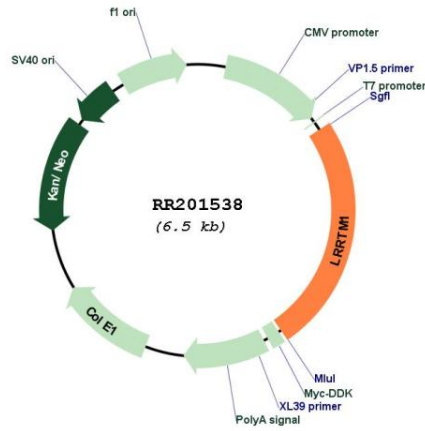
UniProt ID: [D4A6D8](#)

Cytogenetics: 4q33

MW: 58.7 kDa

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

Product images:



Circular map for RR201538