

Product datasheet for **RR210116**

Lrrtm3 (NM_001106387) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm3 (NM_001106387) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrrtm3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210116 representing NM_001106387
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTTCAATGTAATTAGGCTACTGCGCGGATCAGCTGTAGCGGTGGTCTAGCCCCACTGTCTTAC
 TGAATATGCTTTCTTCTGCTGAAAGAGGATGCCCTAAGGGTTGTAGGTGCGAAGGCAAAATGGTCTACTG
 TGAGTCTCAGAAACTGCAGGAGATACCCTCAAGTATATCAGCCGGATGCTTGGGTTTATCCCTTCGCTAC
 AACAGCCTCCAAAACTTAAGTATAATCAATTTAAAGGGCTCAACCAGCTCACCTGGCTCTACCTTGACC
 ATAACCATATCAGCAATATCGACGAGAATGCTTTCAATGGGATACGCAGACTCAAAGAGTTGATTCTGAG
 TTCCAACAGAATCTCTATTTCTTAACAACACCTTCAGACCTGTGACCAATCTACGGAAGTTGGATCTG
 TCCTATAATCAGCTCCATTCTCTGGGATCTGAACAGTTCGGGGCTTGAGGAAGCTGCTCAGTTTACACC
 TCCGCTCCAACCTACTGAGAACCATCCCGGTGCGGATTTTCAAGACTGTCGCAACCTGGAACCTTCTGGA
 CCTGGGCTATAACAGGATCCGAAGTTTAGCCAGGAATGTCTTTGCTGGCATGATCAGACTCAAAGAGCTT
 CACCTGGAGCACAATCAATTTTCCAAGCTCAACCTGGCCCTTTTCCAAGGTTGGTGAGCCTTCAGAACT
 TGTACATGCAGTGAATAAAATCAGTGTATAGGACAAACCATGTCTGGACTTGAGCTCCTTACAGAG
 ACTTGACCTGTGCGGTAATGAGATCGAAGCCTTCAGTGGACCCAGTGTCTTCCAGTGTGTCCCAATCTG
 CAACGCCTCAACCTGGATTCCAACAAGCTCACATTTATTGGTCAAGAGATTCTGGATTCTTGGATCTCTC
 TCAATGACATCAGCCTTGCTGGGAATATATGGGAATGCAGCAGGAATATCTGCTCCCTGGTGAATGGCT
 GAAAAGTTTTAAAGGTCTGAGAGAGAATACAATCTCTGCGCCAGTCCCAAAGAGCTGCAGGGGGTTAAC
 GTGATCGATGCAGTGAAGAACTACAGCATCTGTGGCAAGAGCACTACCACAGAGAGGTTTACCTGGCCA
 GGGCCCTCCCCAAACCCACGTTTAAAGCCCAAGCTCCCCAGGCCTAAGCAGAGAGCAAGCCTCCGCTGCC
 CCCACGGTGGGAGCTAGCGAGCCAGCCAGAGACAGATGTGGACACGGAGCACATCTCCTTCCATAAG
 ATCATCGCGGGCAGCGTGCCCTTTTCTGTGCTGCTGGTATCCTCTTGGTTATGTACGTGCTCTGGA
 AGCGGTACCCCGCCAGCATGAAGCAGCTGCAGCAGCGCTCCCTCATGCGAAGGCACCGGAAGAAGAAACG
 GCAATCGCTCAAGCAAATGACTCCAGGCACCCAGGAATTTATGTAGATTATAAACCACCAACACGGAG
 ACCAGCGAGATGCTGCTGAACGGAACCGGACCTGCACCTATAGCAAATCAGGCTCCAGGGAATGTGAGA
 TACCTTTATCAATGAATGTGTCACTTTTCTGGCATAACGACCCACAATAAGTTACTGTGGGTCCA
 TCATGAACTCCTCTCCATAAGACCTTTGAAACGAATGCACAGGAAGACACGATGGAAGCCACCTAGAG
 ACTGAGCTGGACTTGAGCACAATCAGTCAGCTGGCCGCATCGGCGACCATAAACACAGCTGGCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210116 representing NM_001106387
 Red=Cloning site Green=Tags(s)

MGFNVIRLLRGSAAVAVLAPTIVLLTMLSSAERGCPKGCRCEGKMVYCESQKLQEIPSSISAGCLGLSLRY
 NSLQKLKYNQFKGLNQLTWLYLDHNHISNIDENAFNGIRRLKELILSSNRISYFLNNTFRPVTNLRNLDL
 SYNQLHSLGSEQFRGLRLKLLSLHRSNLSRTIPVRIFQDCRNLELLDLGYNRIRSLARNVFAGMIRLKE
 HLEHNQFSKLNLFPRLVSLQNLQWYQWNIQSVIGQTMSTWSSLRDLDSGNEIEAFSGPSVFQVCPNL
 QRLNLDNKLTFIQEILDSWISLNDISLAGNIWECRNICSLVNWLSFKGLRENTILCASPKEQGVN
 VIDAVKNYSICGKSTTTERFDLALPKPTFKPKLPRPKHESKPPLPPTVGASEPSPETDVTDEHISFHK
 IAGSVALFVLVILLVMYVSWKRYPASMKQLQQRSLMRRHRKKRQSLKQMTPTGTEFYVDYKPTNTE
 TSEMLNGTGPCTYSKSGSRECEIPLSMNVSTFLAYDQPTISYCGVHHELLSHKTFETNAQEDTMESHLE
 TELDLSTITSAGRIGDHKPQLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001106387

ORF Size: 1746 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: [NM_001106387.1](#), [NP_001099857.1](#)

RefSeq Size: 3837 bp

RefSeq ORF: 1749 bp

Locus ID: 294380

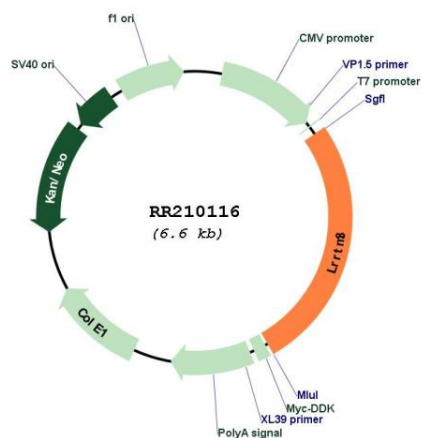
UniProt ID: [D3ZAL8](#)

Cytogenetics: 20p11

MW: 66 kDa

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

Product images:



Circular map for RR210116