

Product datasheet for **MG208362**

Lrrtm1 (NM_028880) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrrtm1 (NM_028880) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrrtm1
Synonyms:	4632401D06Rik; AW125451
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208362 representing NM_028880
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATTTCTGCTACTCGGCCTCTGTCTACACTGGCTGCTGAGGAGCCCTCGGGGTGGTCTTGTGTC
 TGCTGGGGCCTGCTTTTCAAGATGCTGCCGCCGCCAGCGGATGCCCGGGCAGTGTCGGTGCAGGG
 GCGGCTGCTGACTGCGAGGCGCTCAACCTAACCGAGGCGCCATAACCTGTCCGGCTGCTGGGCTTG
 TCTTTGCGCTACAACAGCCTCTCGGAGCTGCGCGCCGGCCAGTTCACAGGGTTAATGCAGCTCACGTGGC
 TGTATTTGGATCACAATCACATCTGCTCGGTGCAGGGGACGCCTTTAGAACTGCGCCGAGTTAAGGA
 ACTCACGTGAGTTCCAACCAGATCACTGAAGTGGCCAACACCACCTCCGGCCATGCCAACCTGCGC
 AGCGTGGACCTGTCTATAACAAGCTGCAGGCGTAGCTCCGGATCTCTCCACGGGCTGCGGAAGCTCA
 CCACCTGCACATGCGGGCCAATGCCATCCAATTCGTGCCGTGCGCATCTTTCAGGACTGCCGAGCCT
 CAAGTTTCTGCATTGGATAACAATCAGCTCAAGAGTCTGGCGCGCAACTCTTTCGCCGGCTTGTCAAG
 CTCACAGAGCTACACCTGGAGCATAATGACTTGATCAAGGTGAAGTTCGCCCATTTCCCGCCCTCATCT
 CCCTGCACTCGCTCTGCCTGAGGCGGAATAAGGTTGCCATTGTGGTCAGCTCTCTCGACTGGGTTTGGAA
 TTTGGAGAAAATGGACTTGTCTGGGAACGAGATCGAATACATGGAGCCCATGTGTTTCGAGACCGTTCCC
 TACCTGCAGACCTGCAGCTGGACTCCAACCGCCTCACCTACATTGAGCCCCGATTCTCAACTCCTGGA
 AGTCCCTTACGAGCATCACTCTGGCCGGAACTGTGGGACTGCGGGCGCAACGTGTGTGCTTAGCTTC
 CTGGCTCAGCAACTTCCAGGGACGTTACGATGCTAACTGCAGTGCAGCCAGCCAGAGTACGCACAGGGC
 GAGGACGCTTGGATGCAGTGTATGCTTCCACCTGTGTGAGGATGGGGCCGAGCCACCAGCGGCCACC
 TCCTGTCCGGTGGCCGCTACTAACCGCAGTGACCTAACGCCCCAGAGAGCTCAGCCACGACTCTGGTGGA
 CGGTGGGAGGGGACGATGGCAGCTTTGAGCCCATCACTGTGGCTCTTCCAGGCGCGAGCAGCAGAG
 AACGCTGTGCAAAATCCACAAAGTGGTCACTGGCACCATGGCCCTCATCTTCTCCTCATCGTGGTCC
 TCGTACTCTACGTATCCTGGAAGTGTTCAGCCAGCCTCAGGCAGCTCAGACAGTGTCTTGTACGCGCA
 GCGCAGGAAGCAGAAGCAGAAACAGACCATGCATCAGATGGTGTCTGTCTGCCAGGAATACTATGTT
 GATTACAAACCTAACACATCGAGGGGGCCCTGGTTATCATCAACGAGTACGGTTCGTGTACCTGTCACC
 AGCAGCCTGCGAGGGAATGCGAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208362 representing NM_028880
 Red=Cloning site Green=Tags(s)

MDFLLGLCLHWLLRRPSGVVLCLLGACFQMLPAAPSGCPGQCRCEGRLLLYCEALNLTEAPHNLSGLLGL
 SLRYNSLSELRAGQFTGLMQLTWLYLDHNHICSVQDAFQKLRRVKELTLSSNQITELANTTFRPMPNLR
 SVDLSYNKLQALAPDLFHGLRKLTLHMRANAIQFVPVRIQDCRSLKFLDIGYNQLKSLARNSFAGLFK
 LTELHLEHNDLIKVNFAHFPRILSLHSLCLRRNKVAIVVSSLDWYWNLEKMDLSGNEIEYMEPHVFETVP
 YLQTLQLDSNRLTYIEPRILNSWKSLSITLAGNLDWCGRNVICALASWLSNFQGRYDANLQASPEYAQG
 EDVLDVAVYAFHLCEDGAEPTSGHLLSVAVTNRSDLTPPESSATTLVDGGEGHDGTFEPITVALPGGEHAE
 NAVQIHKVVTGTMALIFSFLIVLVLVYVSWKCFPASLRQLRQCFVTQRRKQKQKQTMHQMAAMSAQEYV
 DYKPNHIEGALVIINEYGSTCHQQPARECEV

TRTRPLE - GFP Tag - V

Restriction Sites:

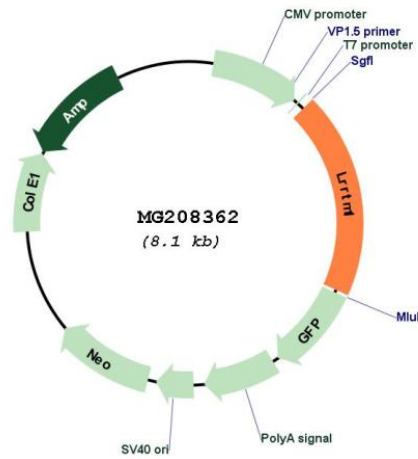
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_028880
ORF Size:	1566 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:	<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:	NM_028880.4
RefSeq Size:	2536 bp
RefSeq ORF:	1569 bp
Locus ID:	74342
UniProt ID:	Q8K377
Cytogenetics:	6 C3
Gene Summary:	Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation, acting at both pre- and postsynaptic level.[UniProtKB/Swiss-Prot Function]