

Product datasheet for **MR205700**

Lrtm2 (NM_001172207) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrtm2 (NM_001172207) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrtm2
Synonyms:	A230084J22; A1841794
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205700 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGCACCAGGCGGTGGCCAGAGCAGAGGAGCAAGCTTGTCTGCAATGGAGGCAGGTCTCTGGA
TCACCTGCTGGATTGCCCTGTGTCTGTGGAGGTGATCCCTGCCTGCCCTTCTCCTGCACATGTGACAG
TCGCAGCTTGGAGGTGGACTGCAGTGGCTGGTCTCACCAGTGTACCCCGGATGTGCCCGCGGCCACC
CAAAGCCTTTTGCTCCTGAACAATAAGCTGAGTGCCCTACCAAGCTGGGATTGCGCAACCTGTCCAACC
TGCAGCGACTGGACCTGTCCAACAACCTTTCTTGACCAGCTCCCCCGGTCCATTTTCGAGGACTTGGTCAA
TCTGACAGAGCTCCAGCTTCGGAATAACAGCATCAGGACCTGGACAGGGACCTGCTCCAGCACTCCCCA
CTACTTAGACATCTGGATTTGTCTATCAACGGCTTGGCCAGCTGCCCCCGGGGCTTTTGTATGGGCTCC
TGGCTCTGCGCTCCTTGTCCCTCCGCTCCAATCGTCTGCAGAGCCTGGACCGGCTGACGTTGAGCCCCCT
GGCAAGCTGCAGCTGCTTCAGGTTGGGGACAACCCGTGGGAGTGTGACTGCAACCTTCGGGAATTCAAA
CACTGGCTGGAGTGGTTCTCTACAGAGGGGTGCGCTGGATCAGCTTGCTGTACCCTACCCAAGGAGC
TAAGGGGAAGGACATGCGTGCGGTCCCATGGAGATGTTAACTACTGTTCCAGCTAGAGGATGAGAA
CAACTCTGCTGGGCTAGATGCTCCAGGACCACCTGCACCAAGGCCAGCCCGAGCCTCCTAAACCTAAG
CCTGGGGCTGAGCCTGAGCCCGAACCAGCACTGCCTGCCACAGAAGCAGAGGTACCGGCCCGTGAGTG
TGCGGCGAGCCATTGGCACAGTGATCATCGCCGGGTCGTGTGTGGCATTGTCTGCATCATGATGGTGTT
GGCCGCTGCTTACGGCTGCATCTACGCATCTCTCATGGCCAAGTACCACCGTGAGCTCAAGAAGCGCCAG
CCGCTGATGGGGACCTGAGGGTGAGCATGAAGATCAGAAGCAGATCTCGTCTGTGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205700 protein sequence
 Red=Cloning site Green=Tags(s)

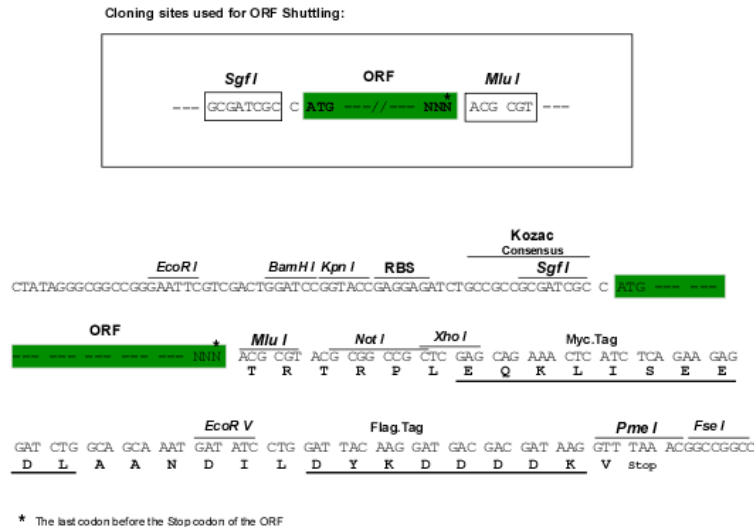
MLAPGGGPEQSKLVLQWRQVSWITCWIALCAVEVIPACPFSCDCSRSLVDCSGLGLTTVPPDPAAT
 QSLLLNNKLSALPSWAFANLSNLQRLDLSNNFLDQLPRSFEDLVNLTELQLRNNSIRTLDRDLLQHSP
 LLRHLDLSINGLAQLPPGLFDGLLALRSLSLRSNRLQSLDRLTFEPLASLQLLVQVDNPWECDCNLREFK
 HWLEWFSYRGGRLDQLACTLPKELRGKDMRAVPMEMFNYSQLEDENNSAGLDAPGPPCTKASPEPPKPK
 PGAEPEPEPSTACPQKQRYRPSVVRRAIGTVIIAGVVCIGVICIMMVAAAAYGCIYASLMKYHRELKKRQ
 PLMGDPEGEHEDQKQISSVA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001172207

ORF Size: 1110 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001172207.1, NP_001165678.1

RefSeq Size: 3408 bp

RefSeq ORF: 1113 bp

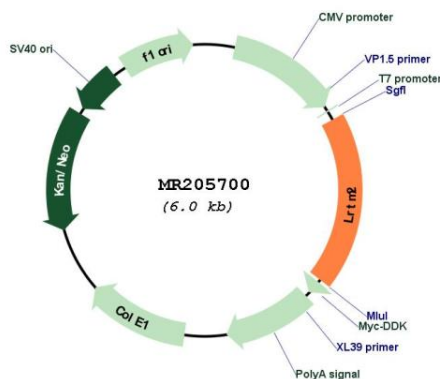
Locus ID: 211187

UniProt ID: Q8BGX3

Cytogenetics: 6 F1

MW: 41 kDa

Product images:



Circular map for MR205700