

Product datasheet for **MR208607**

Lrmp (NM_008511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrmp (NM_008511) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lrmp
Synonyms:	D6Int3; D6Int4; D6Int5; D6Int7; D6Int8; Jaw1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR208607 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTGTGTAAAAGGTCCCCAGAGCAGGAACCAAGATGGGGCTTTGGACGTGACAAGAGGGTGCC
 AGTGCCCACTCCCAACGGAAGGCTCCATCTTGGGACAGGAGCTTCTAGACTGTACCAGAATGAACGAGGA
 CCAGAGTACAGACGAGAATGGTGTGACCACTTGATTCCGAGAGCCCGTACAGCTCAGGGAGTATCTC
 ACACAGCCATCGTCTGAACAGACTTCATCTCGGAGAGCACTGTGACGTCAAGTGAAGTCTGGATCAGACA
 TTTTGCATATGGCTTCTGGTGACCTTGACTGCAAACTCTCTGTGAGAAGGAGGAGGAAGCAAGACCCGC
 CTCTGCCATGCAAGGCACCAAGCTAGCTCTGCTGCTTATGGAGACTACACGAGTGTGGCGTGGCCAAG
 GCTGCATCCAGCTGGAAGCAGGAGAGGAACAGAACCAAGAAACGAGGGAAGGGCAGTGCCCGG
 GAGAGACGGAGATTTCCATGCCCCCAAAGCATCTGTGAAGCTCGTTAACTTTACGAGAGTGAAAAAC
 TTCAGCTAATGAGAAGGAAGTGGGGCAGAGTTCTCTCAGTTATCTTTGGGACTTAAGTGTGACTGGTTT
 ACATTGGAGAAGAGGGTGAAGCTTGAAGAGAGGTCCCGGACCTGGCAGAGGAAAATTTGAAGAAAGAAA
 TCACAACTGTTTAAAGCTTTAGAGTCGCTGACTCCCTGTGTGAAGAGGACAACCAAGGCTCAGGAAAT
 CGTTAAGAAGCTGGAGAAGAGTATAGTACTGCTCAGCCAGTGCACAGCCGAGTGCCAGCAGGGCTGAG
 ATGCTGGGCGCCATCAACCAGGAAAGCCGGGTGAGTAGAGCGGTGGAGGTGATGATCCAGCACGTGGAGA
 ACCTGAAGCGGATGTACGCCAAAGAGCACGAGAGCTGGAGGATCTGAAGCAAGCACTGCTGCAGAACGA
 CAGGTCTTTAACTCTCTGCCAGATGAAGTACTGTGAGATTAAGCAAGCACTGCTGCAGAACGA
 AAGCCATCTTCTCTCGAAGAGTGACCATTCCTCTTTGCCAGGAATCTTGAAATGTGGGCTGGTGT
 CAGGCATGGAAAATAATGACAGATTCAGCCGGCGGTGAGCAGCTGGAGAATCTGGGGACAAAGCAGGG
 TGAGCACCGCCCTCGCTGCATCGCTTCATCAGCACCTATTCTGGGCCGACGCTGAGGACGAGAGAAGT
 GACGTGAAAGCCAGAGACGCCCCAGAACCACAAGGCGAAGAGGCAAGTGGAGGGGACCAAGGCCAGCC
 TTTCTGAGAGGAGAAGTAGCACATTGGCCTGGGACAGGGGCACAACTGTCAGCTCAGTGGCTTCTGGGT
 CACTCACCTGCAGGCGTCTTCAGAAGAGCCAACAGAGCACTCTGGCTCACGGGGCTCATCATCACTG
 ATCGCAGCGTGTGAGCTTCTCACAGGTCAGCTCTCCAGACAGCCGTGGAGGCTGCGCCACACAGG
 AGGGGGACTCTGGCTGTCTCTAGAACACATCTTATGGCCATTTACCAGACTCGTGCATGATGGACCACT
 GCCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

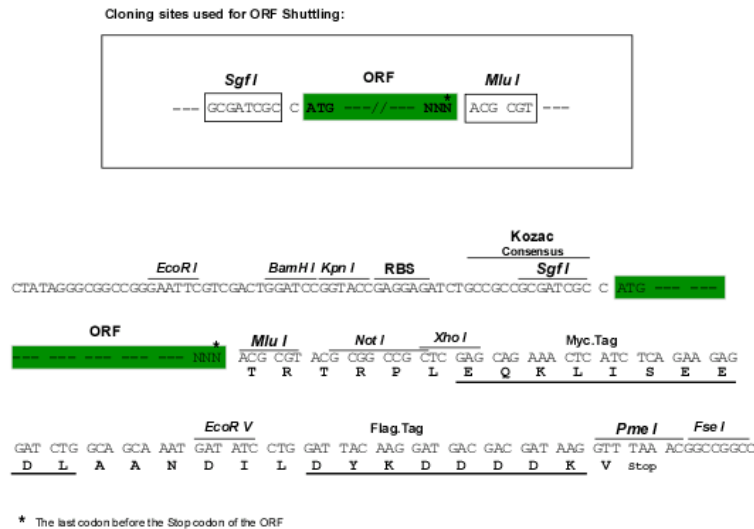
>MR208607 protein sequence
 Red=Cloning site Green=Tags(s)

MLCVKGPPPEQEPEDGALDVTRGQCPLPTEGSILGQELLDCRNMEDQSTDENGADHLYSESPSQLREYL
 TQPSSEQTSSSESTVTSSSESGDILHMASGDLCKPLCEKEEARAASAMQGTSLAPAAAGDYTSVGVAK
 AASQLEAGEELRTTENGKGSAPGETEISMPPKASVKLVNFQQSENTSANEKEVGAEFLRLSLGLKCDWF
 TLEKRVKLEERSRDLAEEENLKEITNCLKLLESLTPLCEEDNQAQEIYKKLEKSIVLLSQCTARVASRAE
 MLGAINQESRVRAVEVMIQHVENLKRMVAKAELEDLKQALLQNDRSFNLPDEDDCQIKKRSSSLNS
 KPSSLRVVTIASLPRNLGNVGLVSGMENNDRFSSSSWRILGKQGEHRPSLHRFISTYSWADAEDERS
 DVKARDAPEPQGEAEVETRKPSSLERRSSTLAWDRGTICSSVASWVTHLQASFRANRALWLTGLIIIL
 IAALMSFLTGLFQTAVEAAPTQEGDSWLSLEHILWPFTRLVHDGGLPV

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_008511

ORF Size: 1617 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_008511.2](#), [NP_032537.2](#)

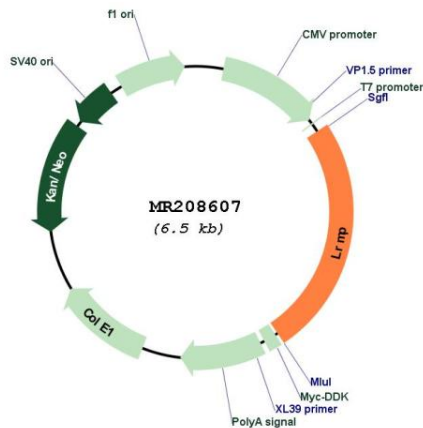
RefSeq Size: 2313 bp

RefSeq ORF: 1620 bp

Locus ID: 16970

Cytogenetics:	6 77.34 cM
MW:	59.4 kDa
Gene Summary:	Plays a role in the delivery of peptides to major histocompatibility complex (MHC) class I molecules; this occurs in a transporter associated with antigen processing (TAP)-independent manner. May play a role in taste signal transduction via ITPR3. May play a role during fertilization in pronucleus congression and fusion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208607