

Product datasheet for **MC228027**

Lrmp (NM_001281981) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lrmp (NM_001281981) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC228027 representing NM_001281981
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAACGAGGACCAGGTACAGACGAGAATGGTGCTGACCACTTGATTCCGAGAGCCCGTCACAGCTCA
 GGGAGTATCTCACACAGCCATCGTCTGAACAGACTTCATCCTCGGAGAGCACTGTGACGTCAAGTGAGTC
 TGGATCAGACATTTTGCACATGGCTTCTGGTGACCTTGACTGCAAACCTCTCTGTGAGAAGGAGGAGGAA
 GCAAGAGCCGCTCTGCCATGAAGGCACAGCCTAGCTCCTGCTGCTTATGGAGACTACACGAGTGTGG
 GCGTGGCCAAAGGCTGCATCCCAGCTGGAAGCAGGAGAGGAACTCAGAACCACAGAAAACGGAGGGAAGG
 CAGTGCCCGGGAGAGACGGAGATTTCCATGCCCCCAAAGCATCTGTGAAGCTCGTTAACTTTCAGCAG
 AGTGAAAACACTTCAGCTAATGAGAAGGAAGTGGAGGCAGAGTTCCTCAGGTTATCTTTGGGACTTAAGT
 GTGACTGGTTTACATTGGAGAAGAGGGTGAAGCTTGAAGAGAGGTCCCGGACCTGGCAGAGGAAAATTT
 GAAGAAAGAAATCACAACTGTTTAAAGCTTTTAGAGTCGCTGACTCCCCTGTGTGAAGAGGACAACCAG
 GCTCAGGAAATCGTTAAGAAGCTGGAGAAGAGTATAGTACTGCTCAGCCAGTGCACAGCCCGAGTGGCCA
 GCAGGGCTGAGATGCTGGGCGCCATCAACCAGGAAGCCGGGTGAGTAGAGCGGTGGAGGTGATGATCCA
 GCACGTGGAGAACCTGAAGCGGATGTACGCCAAAGAGCACGCAGAGCTGGAGGATCTGAAGCAAGCACTG
 CTGCAGAACGACAGGTCTTTAACTCTCTGCCAGATGAAGATGACTGTCAGATTAATAAGCGTTCATCTT
 CTCTAAATTCAGCCATCTTCTCTCGAAGAGTGACCATTCCTCTTTGCCAGGAATCTTGGAATGT
 GGGGCTGGTGTGAGGCATGGAAAATAATGACAGATTACGCCGGCGGTGAGCAGCTGGAGAATCCTGGGG
 ACAAGCAGGGTGAGCACCGCCCTCGCTGCATCGCTTCATCAGCACCTATTCTGGGCCGACGCTGAGG
 ACGAGAGAAGTGACGTGAAAGCCAGAGACGCCCCAGAACCACAAGGCGAAGAGGCAGTGGAGGGGACCA
 GAAGCCCAGCCTTTCTGAGAGGAGAAGCAGCACATTGGCCTGGGACAGGGGCACAATCTGCAGCTCAGTG
 GCTTCCTGGGTCACTCACCTGCAGGCGTCTTCAGAAGAGCCAACAGAGCACTCTGGCTCACGGGGCTCA
 TCATCATACTGATCGCAGCGCTGATGAGCTTCTCACAGGTGAGCTCTTCCAGACAGCCGTGGAGGCTGC
 GCCCACACAGGAGGGGGACTCCTGGCTGTCTCTAGAACACATCTTATGGCCATTTACCAGACTCGGGCAT
 GATGGACCACTGCCAGT**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001281981

Insert Size: 1491 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001281981.1, NP_001268910.1</u>
RefSeq Size:	2082 bp
RefSeq ORF:	1491 bp
Locus ID:	16970
Cytogenetics:	6 77.34 cM
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] Transcript Variant: This variant (3) differs in its 5' UTR and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. Variants 3 and 4 both encode the same isoform (2).