

Product datasheet for MR220199

Lptm4a (NM_008640) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lptm4a (NM_008640) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lptm4a
Synonyms:	AA286466; LAPTM4; mKIAA0108; MTP; Mtrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220199 representing NM_008640 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCAGAAGGCGGAGGGAGAGATCCGAGCCGACGTCCCGCAGAGCGGCCGGCGCCAGAGCG
CAGGCGCACAGGAGTTGGCAAGGGCCGGGCCGAGGGCGGCCAGAAGACGCGTCTTTGGCTGTGGACA
CCGTCGTAGAGTCGTCTGGTTGAACCGCTGGGCCGAAAGCTTTGTAGGGGCTGGGCGAGAACGAGG
CCCGCAGGTTCCGGATGGTGTCCATGACTTTCAAACGGAGCCGACGACCGGTTCTACAGCACCCGT
GCTGCGGCTGTTGCCATGTCGCACCGGACGATCATCCTGGGGACCTGGTACATGGTGGTCAACCTGTT
GATGGCCATTTTGTGACCGTGGAGGTGACTCATCCAAATTCATGCCAGCTGTCAACATTCAGTATGAA
GTCATTGGTAATTACTATTCATCTGAGAGAATGGCTGATAATGCCTGCGTCTTTTTGCCGTCTCTGTT
TTATGTTTATAATCAGTTCAATGCTGGTTTATGGAGCCATTTCTTATCAAGTGGGCTGGCTGATTCCTT
CTTCTGTACCGACTCTTGACTTCGTTCTCAGTTGTCTGGTGGCCATCAGTTCTCTCACTTACTTGCCA
AGAATCAAAGAATATCTGGATCAGTTGCCTGATTTCCATACAAAGATGACCTCCTGGCATTGGACTCCA
GCTGCCTCCTGTTTCATCGTCTTGTGTTCTTTGTGGTATTCATCATTTTTAAGGCTTACCTAATCAATTG
TGTTTGGAACTGCTACAAATACATCAACAACAGAAATGTGCCAGAGATTGCCGTGACCCCTGCCTTTGAA
ACACCTCCACAGTATGTTTTGCCAACCTATGAAATGGCTGTGAAGATTCCTGAGAAAGAGCCACCACCTC
CTTACCTGCCTGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220199 representing NM_008640
 Red=Cloning site Green=Tags(s)

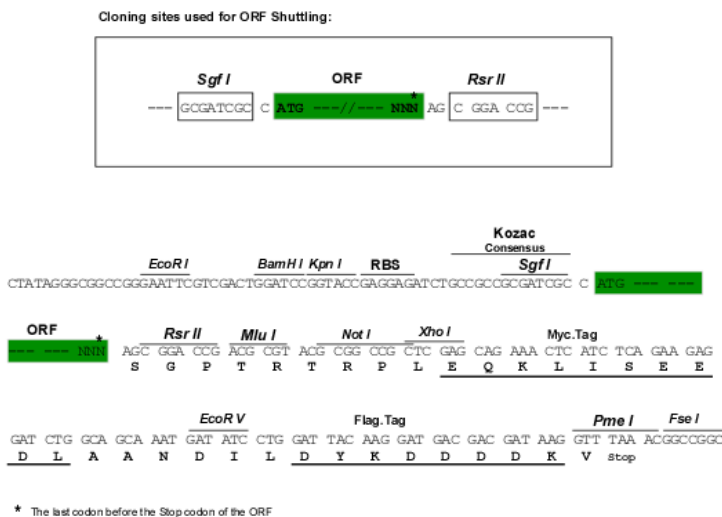
MWQKAEGEIPSRP PARAAPGAQSAGAQLARARAEGGPEDASFGCGHRRRVVWVEPLGRKLLSGAWARTR
 PARFRMVSMTFKRSRDRFYSTRCCGCHVRTGTIILGTWYMVNLLMAILLTVEVTHPNSMPAVNIQYE
 VIGNYSSERMADNACVLFVAVSLMFIISMLVYGAISYQVGLIPFFCYRLDFVLSCLVAISSLTYLP
 RIKEYLDQLPDFPYKDDLLALDSSCLLFIVLVFFVVFIIFKAYLINCWNCYKYINNRNVPEIAVYPAFE
 TPPQYVLPYEMAVKIPEKEPPPPYLPA

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9023_c09.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_008640

ORF Size: 924 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_008640.2](#), [NP_032666.2](#)

RefSeq Size: 2130 bp

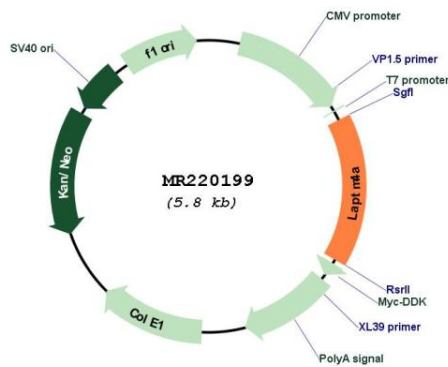
RefSeq ORF: 927 bp

Locus ID: 17775

Cytogenetics: 12 A1.1

MW: 35.5 kDa

Product images:



Circular map for MR220199