

Product datasheet for **MG220199**

Laptm4a (NM_008640) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Laptm4a (NM_008640) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Laptm4a
Synonyms:	AA286466; LAPTM4; mKIAA0108; MTP; Mtrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220199 representing NM_008640 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTGGCAGAAGGCGGAGGGAGAGATTCGAGCCGACGTCCGCGAGAGCGGCGCCGGGCGCCAGAGCG
 CAGGCGCACAGGAGTTGGCAAGGGCCCGGGCCGAGGGCGGGCCAGAAGACGCGTCCTTTGGCTGTGGACA
 CCGTCGTAGATCGTCTGGGTTGAACCGCTGGGCCGAAAGCTTTGTAGGGGCTGGGCGAGAACGAGG
 CCCGCGAGGTTCCGATGGTGTCCATGACTTTCAAACGGAGCCGACGACCGGTTCTACAGCACCCGGT
 GCTGCGGCTGTTGCCATGTCCGACCGGGACGATCATCCTGGGGACCTGGTACATGGTGGTCAACCTGTT
 GATGGCCATTTTGTGACCGTGGAGGTGACTCATCCAAATTCATGCCAGCTGTCAACATTCAGTATGAA
 GTCATTGGTAATTACTATTCATCTGAGAGAATGGCTGATAATGCCTGCGTTCCTTTTGGCGTCTCTGTTC
 TTATGTTTATAATCAGTTCAATGCTGGTTTATGGAGCCATTTCTTATCAAGTGGGCTGGCTGATTCCTTT
 CTTCTGCTACCGACTCTTGACTTCGTTCTCAGTTGTCTGGTGGCCATCAGTTCTCTCACTTACTTGCCA
 AGAATCAAAGAATATCTGGATCAGTTGCCTGATTTCCATACAAAGATGACCTCCTGGCATTGGACTCCA
 GCTGCCTCCTGTTTCATCGTCTTGTGTTCTTTGTGGTATTCATCATTTTTAAGGCTTACCTAATCAATTG
 TGTTTGAAGTGTACAAATACATCAACAACAGAAATGTGCCAGAGATTGCCGTGTACCTGCCTTTGAA
 ACACCTCCACAGTATGTTTGGCAACCTATGAAATGGCTGTGAAGATTCCTGAGAAAGAGCCACCACCTC
 CTTACCTGCCTGCC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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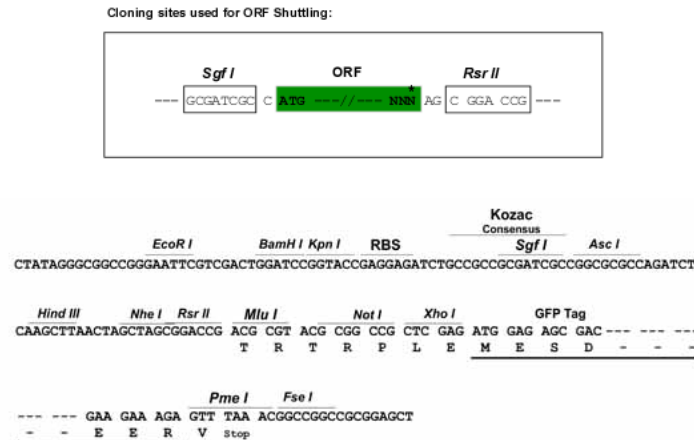
Protein Sequence: >MG220199 representing NM_008640
 Red=Cloning site Green=Tags(s)

MWQKAEGEIPSRPARAAPGAQSAQAQELARARAEGGPEDASFGCGHRRRVVWVEPLGRKLLSGAWARTR
 PARFRMVSMTFKRSRSDRFYSTRCCGCHVRTGTIILGTWYMVNLLMAILLTVEVTHPNSMPAVNIQYE
 VIGNYYSSERMADNACVLFAVSVLMFIISMLVYGAISYQVWGLIPFFCYRLDFVLSCLVAISSLTYP
 RIKEYLDQLPDFPYKDDLLALDSSCLLFIVLVFFVFIIFKAYLINCWNCYKYINNRRNVPEIAVYPAFE
 TPPQYVLPTYEMAVKIKEPPPPYLPA

SGPTRRRLE - GFP Tag - V

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.

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

RefSeq: [NM_008640.2](#), [NP_032666.2](#)

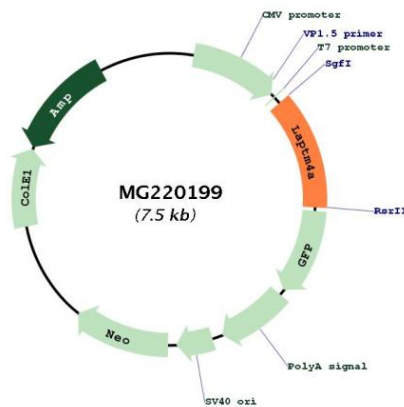
RefSeq Size: 2130 bp

RefSeq ORF: 927 bp

Locus ID: 17775

Cytogenetics: 12 A1.1

Product images:



Circular map for MG220199