

Product datasheet for **RG201290**

LAPTM4A (NM_014713) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LAPTM4A (NM_014713) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: LAPTM4A
Synonyms: HUMORF13; LAPTM4; MBNT; Mtrp
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201290 representing NM_014713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGTCCATGAGTTTCAAGCGGAACCGCAGTGACCGTTCTACAGCACCCGGTCTGCGGCTGTTGCC
 ATGTCCGCACCGGACGATCATCTGGGACCTGGTACATGGTAGTAAACCTATTGATGGCAATTTTGT
 GACTGTGGAAGTGACTCATCAAACCTCCATGCCAGCTGTCAACATTCAGTATGAAGTCATCGTAATTAC
 TATTCTTCTGAGAGAATGGCTGATAATGCCTGTGTTCTTTTGGCGTCTCTGTTCTTATGTTTATAATCA
 GTTCAATGCTGGTTTATGGATCAATTTCTATCAAGTGGTTGGCTGATTCCATTCTTCTGTTACCGACT
 TTTTGACTTCGTCTCAGTTGCCTGGTTGCTATTAGTTCTCTCACCTATTGCCAAGAATCAAAGAATAT
 CTGGATCAACTACCTGATTTCCCTACAAAGATGACCTCCTGGCCTTGGACTCCAGCTGCCTCCTGTTCA
 TTGTTCTGTGTTCTTTGCCTTATTCATCATTTTAAAGGCTTATCTAATTAAGTGTGTTTGGAACTGCTA
 TAAATACATCAACAACCGAAACGTGCCGGAGATTGCTGTGTACCCTGCCTTTGAAGCACCTCCTCAGTAC
 GTTTTGCCAACCTATGAAATGGCCGTGAAAATGCCTGAAAAGAACCACCACCTCCTTACTTACCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201290 representing NM_014713
 Red=Cloning site Green=Tags(s)

MVSMSEFRNRSDFYSTRCCGCHVRTGTIILGTWYMMVLLMAILLTVEVTHPNSMPAVNIQYEVIGNY
 YSSERMADNACVLFVAVSLMFIISMLVYGSISYQVQWLIPFFCYRLDFVLSCLVAISSLTYLPRKEY
 LDQLPDFPYKDDLLALDSSCLLFIIVLFFALFIIFKAYLINCWNCYKYINNRNVPEIAVYPAFEAPPQY
 VLPTYEMAVKMPKEPPPPYLPA

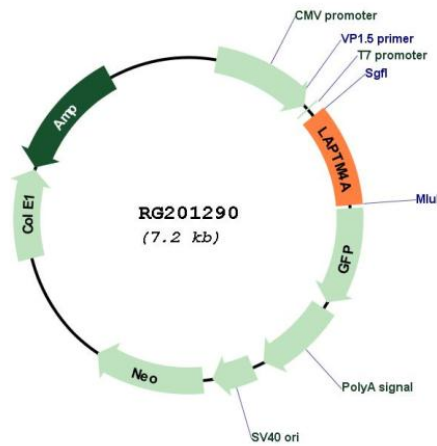
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_014713

ORF Size: 699 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:	<ol style="list-style-type: none">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_014713.3 , NP_055528.1
RefSeq Size:	1419 bp
RefSeq ORF:	702 bp
Locus ID:	9741
UniProt ID:	Q15012
Cytogenetics:	2p24.1
Domains:	Mtp
Protein Families:	Transmembrane
Protein Pathways:	Lysosome
Gene Summary:	This gene encodes a protein that has four predicted transmembrane domains. The function of this gene has not yet been determined; however, studies in the mouse homolog suggest a role in the transport of small molecules across endosomal and lysosomal membranes. [provided by RefSeq, Jul 2008]