

## Product datasheet for **RG217813**

### LAPTM5 (NM\_006762) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LAPTM5 (NM_006762) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LAPTM5
Synonyms:	CLAST6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217813 representing NM_006762 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACCCCGCTTGTCCACTGTCCGCCAGACCTGCTGCTGCTTCAATGTCCGCATCGCAACCACCGCCC  
TGGCCATCTACCATGTGATCATGAGCGTCTTGTGTTTCATCGAGCACTCGGTAGAGGTGGCCATGGCAA  
GGCGTCTGCAAGCTCTCCAGATGGGCTACCTCAGGATCGCTGACCTGATCTCCAGTCTCTGCTCATC  
ACCATGCTTTCATCATCAGCCTGAGCCTACTGATCGGCGTAGTCAAGAACCGGGAGAAGTACCTGCTGC  
CCTTCCTGTCCTGCAAATCATGGACTATCTCCTGTGCCTGCTCACCTGCTGGGCTCTACATTGAGCT  
GCCCGCTACCTCAAGTTGGCCTCCCGGAGCCGTGCTAGCTCCTCAAGTTCCCCCTGATGACGCTGCAG  
CTGCTGGACTTCTGCCTGAGCATCTGACCCTCTGCAGCTCTACATGGAAGTGCCACCTATCTCAACT  
TCAAGTCCATGAACCACATGAATTACCTCCCCAGCCAGGAGGATATGCCTCATAACCAGTTCATCAAGAT  
GATGATCATCTTTTCCATCGCCTTCATCACTGTCTTATCTTCAAGGTCTACATGTTCAAGTGCCTGTGG  
CGGTGCTACAGATTGATCAAGTGCATGAACTCGGTGGAGGAGAAGAAAACTCCAAGATGCTCCAGAAGG  
TGGTCTGCCGTCTACGAGGAAGCCCTGTCTTGGCCATCGAAGACCCAGAGGGGGGCCAGCACCACC  
CCATACTCAGAGGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG217813 representing NM\_006762  
 Red=Cloning site Green=Tags(s)

MDPRLSTVRQTCCCFNVRIATTALAIYHVIMSVLLFIEHSVEVAHGKASCKLSQMGYLRIADLISSFLLI  
 TMLFIIISLSLLIGVVKNREKYLPLFLSLQIMDYLLCLLTLLGSYIELPAYLKLASRSRASSKFPMLTLQ  
 LLDFFCLSLTLCCSSYMEVPTYLNFKSMNHMNYLPSQEDMPHNQFIKMMIIFSIAFITVLIKVFVYMFKCVW  
 RCYRLIKCMNSVEEKNSKMLQKVVLPSEYEEALSLPSKTPEGGPAPPYSEV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006762

**ORF Size:** 786 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\\_006762.1](#), [NP\\_006753.1](#)

**RefSeq Size:** 2232 bp

**RefSeq ORF:** 789 bp

**Locus ID:** 7805

**UniProt ID:** [Q13571](#)

**Cytogenetics:** 1p35.2

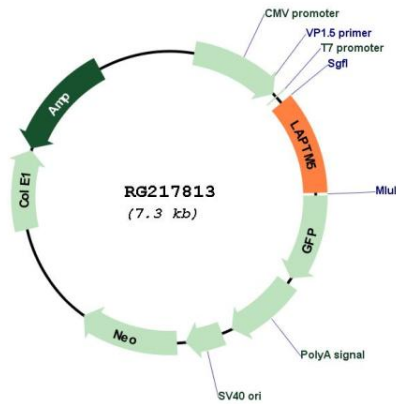
**Domains:** Mtp

**Protein Families:** Transmembrane

**Protein Pathways:** Lysosome

**Gene Summary:** This gene encodes a transmembrane receptor that is associated with lysosomes. The encoded protein, also known as E3 protein, may play a role in hematopoiesis. [provided by RefSeq, Feb 2009]

**Product images:**



Circular map for RG217813