

Product datasheet for **RR206170**

Lptm5 (NM_053538) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lptm5 (NM_053538) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lptm5
Synonyms: gcd-10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206170 representing NM_053538
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTCCCGTGCAGTGCCAGTCAGGCAGACATGCTGTTGTTTCAATGTCCGAGTTGCCACCGTAGCCC
TGGCCATCTACCATATAGTCATGAGCGTCTTGCTGTTTCATTGAGCATGTGGTGGAGGTGGCCCGGGTAA
AGTCTCCTGCAGTTCTCCAAGATGCCATACCTCAGGCTGGCTGACCTGCTCTCCAGCTTCTGCTCATC
GGAGTCTCTTCAATTATCAGCCTCAGCCTGCTGTTCCGGAGTGGTCAAGAACCAGGAGAACTACCTGATAC
CCTTCCTGTCCCTTCAAATCATGGACTTCTGCTGTGCCTGCTCACACTGTTGGGCTCCTACATCGAATT
ACCAGCATACCTGAAGTTTGCCCGGCCCGGCCGGTCTTCTAAGGTACCCTTGATGACACTGCAGCTG
CTGGACTTCTGTTTGAGCATCCTGACCCTGTGCAGCTCCTATATGGAAGTGCCACCTACCTAACTTCA
AGTCCATGAACCACATGAATTACCTGCCGAGTCAGGAGGGCATGCCACGCAGCCAGTTTCAACATGAT
GCTCATCTTTTTCAGTGGCCTTTATCACCCTGCTCATCTGAAGGTCTACATGTTCAAGTGTGTTGGACA
TGCTACAGATTCATGAAGCACATGAATTCGGCCGTGGAGGACAGCAGTTCCAAGCTGTTCTAAAGGTGG
CTCTGCCGTCTATGAGGAAGCCTTGCTCTGCCCACTAAGACTCCAGAGGGGACCTTGACACCACCCCC
ATACTCGGAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206170 representing NM_053538
Red=Cloning site Green=Tags(s)

MASRAVPVRQTCCCFNVRVATVALAIYHIVMSVLLFIEHVVEVARGKVSCRFSKMPYLRLADLLSSFLLI
 GVLFIISLSLLFGVVKNREKYLIPFLSLQIMDFLLCLLTLLGSYIELPAYLKFARPRPGPSKVPLMTLQL
 LDFCLSILTLCSSYMEVPTYLNFKSMNHMNYLPSQEGMPRSQFINMMLIFSVAFITVLILKVYMFKCVWT
 CYRFMKHMNSAVEDSSSKLFLKVALPSYEEALSLPTKTPEGDLAPPPYSEV

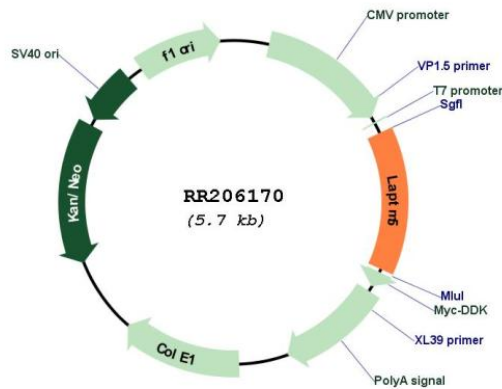
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053538
ORF Size: 783 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_053538.2 , NP_445990.2
RefSeq Size:	2170 bp
RefSeq ORF:	786 bp
Locus ID:	89783
Cytogenetics:	5q36
MW:	29.6 kDa
Gene Summary:	a lysosomal protein involved in microglial activation [RGD, Feb 2006]