

Product datasheet for **MG217259**

Lipm (NM_023903) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipm (NM_023903) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lipm
Synonyms:	4632427C23Rik; AW227514; LipI3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217259 representing NM_023903 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGAAATCTTGCAAGAGTGTGGACTGTTTCGCACAGAGTGGAGATATGGCTTCTGATTCTGGTAG
CATATTTACTCCAAGAAATGTGAACCTCGGACATTTGCCACGAAAGCTGCGGATCCAGAAGCATTTCAT
GAATGTTAGCGAAATCATCAAACACAAGGGTTATCCCAGTGAGGAGTATGAAGTTGCAACAGAAGATGGG
TACATCCTTTCTGTGAACAGAATCCCTCGGGACAGACACGGTTAAAGAAGGAAGGATCCAGGCCAGTGG
TGTTACTGCAACATGGTCTTCTGGGGATGCTAGCAACTGGATTTCCAACCTGCCAACAACAGCCTGGG
TTTTATTCTGGCAGATGCAGTTTTGATGTGTGGATGGGAAACAGCAGAGGAAACACCTGGTCTCGGAAG
CACAAGACCTCTCCATAGATCAAGATGAGTTCTGGGCTTTCAGTTATGATGAAATGGCTAGGTTTGACC
TTCCAGCTGTGATAAACTTTATCTTACAGAAAACGGGCCAGAAAAGGTCTATTATGTCGGCTACTCACA
GGGCACCACCATGGGCTTTATTGCATTTCCACAATGCCAGAGCTAGCTCATAAAATCAAATGTATTTT
GCCTTAGCTCCTATAGCCACTGTAAATATGCAAGAAGTCTGGTACCAAATTTCTGCTGCTGCCAGATA
TGATGATCAAGGTATTATTTGGCAGACAAGAGTTTTTATACCAGACTAGATTTTTCAGGCAGCTTTTTAT
TTACCTTTGTGGCCAGATGATTCTGACCAAATCTGCAGCAACATCATCTTACTCCTGGGAGGTTTTAAC
ACAAACAATATGAACATGAGCAGAGCAAATGTGTATGTCGCCATACACCTGCTGGAACGCTGTGCGAGA
ACATTCTCCACTGGAGCCAGGCCGTGAATTTCTGGGAACTTCGTGCCTTTGACTGGGGAAGTGAGACCAA
AAATCAGGAGAAATGTAATCAGCCAACCTCTAAGGTACAAAGTTCGAGATATGATGGTCCCAACAGCA
ATGTGGACTGGAGGTCAAGACTGGCTTTCAAATCCAGATGATGTGAAAACATTACTTTCTGAAGTAACCA
ACCTCATCTACCACAAGAACATTCTGAGTGGGCTCATGTGGATTTTCATCTGGGGCTGGATGCCCTCA
GCGTGTTTACAATGAAATTATACATCTGATGAAGCAGGAGCCCAACCTTCCCCAGGGAACCTGCAGGGTC
AAATTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217259 representing NM_023903
 Red=Cloning site Green=Tags(s)

MSEILSRVWTVSHRVEIWLLILVAYLLQRNVNSGHLPTKAADPEAFMNVSEIIKHKGYPSEEYEVATEDG
 YILSVNRIPRGQTRLKKEGSRPVLLQHLLGDASNWISNLPNNSLGFILADAGFDVWMGNSRGNTWSRK
 HKTLSIDQDEFWAFSYDEMARFDLPAVINFILQKTGQKKVYVYVGYSQGTTMGFIAFSTMPELAHKIKMYF
 ALAPIATVKYARSPGTFKLLLPDMMIKVLFGRQEFLYQTRFFRQLFIYLCGQMILDQICSNIILLGGFN
 TNNMMSRANVYVAHTPAGTSVQNILHWSQAVNSGELRAFDWGSETKNQEKCNQPTPIRYKVRDMMVPTA
 MWTGGQDWLSNPDDVKTLLEVTNLIYHKNIPEWAHVDFIWGLDAPQRYNEIIHLMKQEPNLPQGTCTRV
 KL

TRTRPLE - GFP Tag - V

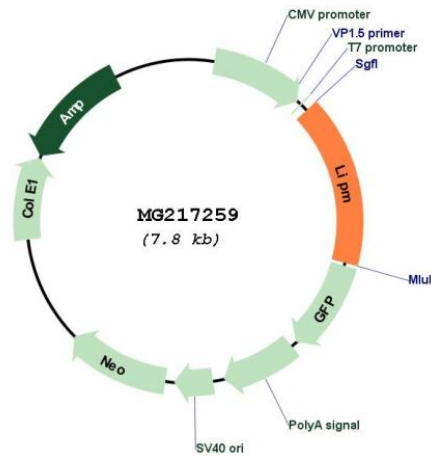
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023903

ORF Size:	1266 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_023903.1 , NP_076392.1
RefSeq Size:	2701 bp
RefSeq ORF:	1269 bp
Locus ID:	78753
UniProt ID:	Q8K2A6
Cytogenetics:	19 C1
Gene Summary:	Plays a highly specific role in the last step of keratinocyte differentiation. May have an essential function in lipid metabolism of the most differentiated epidermal layers (By similarity).[UniProtKB/Swiss-Prot Function]