

Product datasheet for **MG216705**

Lmln (NM_172823) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Lmln
Synonyms:	5330415H22Rik; AI465495
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG216705 representing NM_172823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCGGCCGCTGGGTCTGGAGGAGCGGGCGCCGGGACCAGGGCCACGAGGCCGCTGGGGCGGCTGCC
 TGTGGGTGCGAGGCGTCTGCTTGTGCTGGGCGGGCTCCCGCCGGTGCCGGAGCTGCTCCCGTCTCCCT
 GGGCACTTCGCTCCGTGTCGCCATCACGTCCTTTTCGGACACTGAGGTCATAAATAAGGTCCATCTTAAG
 ACAAATCATGTACGAAGAGAGATGCTGACGGGCAATTTACGAATCAAGACCATCTACGACCAGAGCATTG
 AAGAGTTGCTCCCTGAGAAAAAGATATCTTGTAAAGAACAACTTTCCCTCAAGCTATTTCTATTTTAGA
 GAAAAACATTTTCAGGTTTCGAAGACCTGCTGGCAGGATCTTACTTAGCAGACAATGTGCCACAAACCAATG
 CTACGGAAGGAAAACGATCCACACAGATACTGACTGGAGAGTGTGCGGTGCATACCAAGTCCGGGCGCTG
 TTATAGTGCCGGAGGAGCACCTCCAGCAATGCAGGGTCTGCCGAGAGGGTAAGTGCCGCTGTGGAGCAGT
 GGGTGTGCTTGACCCAGAGGGTGTGCGGGACCGAGACTTCGTTCTTTATGTGGGTGCTTGCCACTGAG
 AGGTGCAGCCACGAAAACATCATCTCTACGCAGCCTATTGTGAGCAGGAGGCAAAAATGGACAGGCCCA
 TAGCAGGATATGCTAACCTGTGTCCAAATATGATCTCCACCCAGCCCGAGGTTTATCCGGGATGCTGTC
 CACAGTGAAGCATGAGATCATTCATGCCCTGGGCTTCTGCTGGTCTTTTTGCATTCTACCATGATCAA
 GATGGAACCCCTGACTTCAAGGTCTGCAGATGGCTCCCGCCCTCAACTATAGTCTTGGCTTGTATC
 AGTGGAGTGATAAAGTGGTTCGGAAGTGGAGAGATTGTGGAATGTTTCGAGATAACAAGATAGTTTCGCCA
 CACTGTGTATCTCTAGTAACACCCGCTGTTGTTGAAGAAGCTCGGAAGCATTTTAACTGTCCGGTCTCTC
 GAGGGCATGGAGCTTGAAAACCAAGGCGGGATGGGCACGGAGCTGAACCACTGGGAGAAGCGCTTGCTCG
 AGAATGAAGCAATGACTGGTCCACACCCAGAACAGAGTCTGTCTCGGATCACTCTGGCGTTAATGGA
 GGACACTGGCTGTTACAAGCCAATTACAGCATGGCTGAGAAACTCGACTGGGGCCGAGGACTGGGCTGT
 GAATTTGTCAGGAAGAGCTGTAATTTCTGGATTGATCAGCACAGGCAAAGGAGGAGGTCGCCGAGCCGT
 ACTGTGACACACTCAGAAGTAAACCCGCTGCAGCTGACCTGCAGACAGGACCAGAGAGCCGTCGCTGTGTG
 TAACCTGCAGAGGTTTCTAACCCCTTACCACCCGAGTACCAGTACTTTGATGAGCTCACTGGGATACCT
 GCGGAGGATCTGCCTTACTATGGCGGGTCTGTGGAATCGCTGACTATTGCTCTTTCAGTCAGGAATTC
 GCTGGCATTAAAGTGGCGAATACCAGCGCAGCTCCGACTGTAGAATCCTGGAAAACCAACCAGAGCTGTT
 TAAGAACTACGGGCAGAGCAGTACGGGCCGACTCGGTCTGTCTGCTCAGAAAGTCTGCGTTTATCATG
 GAGCAGTGCAGAGGAAGCTCAGCTACCCAGACTGGGGAGCGGCTGCTACCAGTTTCTTGTCTCCTC
 AAGGTCTAAAGTTTGGGTTCAAGACACTTCTATCTGTGTAGCCGGGCCGGGAGGTTGCTCCAGTCCG
 AATTCAGATGAACGGCTGGATTACAATGGAAACCTGCTGTGCCCTTCTGCTGGGACTTCTGTGAGCAG
 TGTCCACCAGAAACAGACCCCTCCAGCTGCCAACCTGACTCGAGCCCTTCTCTGGATCTCTGTTCTGCT
 CTTCTAGCCTGGTGGTCACACTTTGGCTCCTCCTCGGCAATCTGTTTCTCTGCTGGCGGGTCTCTTCT
 GTGTGTGTGGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216705 representing NM_172823
 Red=Cloning site Green=Tags(s)

MAAAGSGGAGGPGPRGRWGGCLWVRGVLLVLGGLPAGAGAAPVSLGTSPPCRHHVLSDEVINKVHLK
 TNHVTKRADGHLRIKTIYDQSIIEELLPEKRYLVKNLFPQAISYLEKTFQVRRPAGRILLSRQCATNQY
 LRKENDPHRYCTGECVHTKCGPVIIVPEEHLQQCRVCREGKWPCGAVGVLDPEGVVDADFVLYVYALATE
 RCSHENIISYAAYCQEQEAKMDRPIAGYANLCPNMISTQPQEFIGMLSTVKHEIHALGFSAGLFAFYHDO
 DGNPLTSRSADGLPPFNYSGLYQWSDKVVVRKVERLWNVVDNKIVRHTVYLLVTPRVVEEARKHFNCPVL
 EGMELNQGGMGTLELNHEKRLLENEAMTGSHTQNRVLSRITLALMEDTGWYKANYSMAEKLDWGRGLGC
 EFVRKSCKFWIDQHRQRQVPSPYCDTLRSNPLQLTCRQDQRAVAVCNLQRFNPLPPEYQYFDELGTGIP
 AEDLPYYGGSVEIADYCPFSQEFVSWHLSGEYQRSDDCRILENQPELFFKNYGAEQYGPHSVCLLQKSAFIM
 EQCERKLSYDPDWGSGCYQVSCSPQGLKVVWQDTSYLC SRAGQVLPVRIQMNGWIHNGNLLCPSCWDFCEQ
 CPPETDPPAANL TRALPLDLCSSSLVVTLLWLLLGNLFLLAGFLLCVWH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_172823

ORF Size: 2043 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.

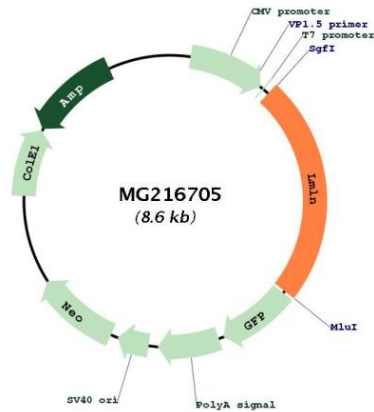
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_172823.2](#), [NP_766411.1](#)

RefSeq Size: 4111 bp

RefSeq ORF:	2046 bp
Locus ID:	239833
UniProt ID:	Q8BMN4
Cytogenetics:	16 B3
Gene Summary:	Metalloprotease.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216705