

Product datasheet for MC215719

Lgmn (NM_011175) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgmn (NM_011175) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lgmn
Synonyms:	A; AEP; AI746452; AU022324; Pr; Prsc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215719 representing NM_011175 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCTGGAGAGTGGCTGTGCTTCTCAGCCTGGTGTGGTGTGGTGGCCGTTCCCGTCGGTGTGGACG
ATCCCAGGATGGAGGCAAGCACTGGTGGTATTGTGGCGGGCTCCAATGGCTGGTATAATTACCGACA
CCAGGCAGACGCATGCCACGCCTACCAGATCATCCACCGAACGGGATTCCTGACGAGCAGATCATAGT
ATGATGTATGACGACATTGCCAACTCTGAAGAAAACCCTACCCAGGTGTGTGATCAACCGACCTAACG
GCACAGATGTATACAAGGGAGTCTGAAGGACTACACCGAGAGGATGTGACTCCAGAGAATTTCTCGC
CGTGCTGAGAGGTGACGAGAAGCTGTGAAGGGCAAAGGGTCTGGAAAAGTCTTGAAGAGTGGCCCCGA
GATCATGTCTTCACTTACCGACCCAGGACCCCGGATCCTGGTGTTCCTAATGATGATCTTC
ATGTCAAGGACCTGAATAAGACTATTCGCTACATGTATGAACACAAAATGTACCAGAAGATGGTGTCTA
CATTGAAGCTTGTGAGTCTGGCTCCATGATGAACCACCTGCCCGACGACATCAACGTTTATGCAACTACT
GCGGCCAACCCCAAGGAGTCATCTTATGCCTGCTACTACGACGAGGAGAGGGGCACCTACCTGGTGACT
GGTACAGCGTCAACTGGATGGAAGACTCCGATGTGGAGGACCTGACCAAAGAGACCCCTTACAAGCAGTA
CCACCTGGTCAAGTCCCACCAACACCAGCCATGTCATGCAATATGGGAACAAAATCTATCTTACCATG
AAAGTGATGCAGTTTCAGGGAATGAAGCACAGAGCCAGTTCACCCATCTCCCTGCCTCCGGTCACACACC
TTGACCTCACCCAGCCCTGACGTGCCCTGACCATCTTGAAGAGGAAGCTGCTGAGAACCAACGACGT
GAAGGAATCCCAGAATCTCATTGGGCAGATCCAGCAATTTCTGGATGCCAGGCACGTCAATTGAGAAGTCT
GTGCACAAGATCGTTTCCCTGCTGGCGGGATTTGGGAAACTGCTGAGAGACATCTGTCAGAGAGGACCA
TGCTCACAGCACATGACTGCTACCAGGAGGCTGTAACCCACTCCGCACACACTGCTTTAACTGGCACTC
TGTCACGTACGAGCATGCCTTGGCGTACTTGATGTGCTGGCCAACTCTGTGAGGCACCATATCCGATT
GACAGGATAGAGATGGCCATGGACAAAGTGTGTCTTAGTCACTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_011175
Insert Size:	1308 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_011175.2 , NP_035305.1
RefSeq Size:	1874 bp
RefSeq ORF:	1308 bp
Locus ID:	19141
UniProt ID:	O89017
Cytogenetics:	12 E
Gene Summary:	This gene encodes a member of the cysteine peptidase family C13 that plays an important role in the endosome/lysosomal degradation system. The encoded inactive preproprotein undergoes autocatalytic removal of the C-terminal inhibitory propeptide to generate the active endopeptidase that cleaves protein substrates on the C-terminal side of asparagine residues. Mice lacking the encoded protein exhibit defects in the lysosomal processing of proteins resulting in their accumulation in the lysosomes, and develop symptoms resembling hemophagocytic lymphohistiocytosis. [provided by RefSeq, Aug 2016]