

Product datasheet for **MG212042**

Lamc3 (NM_011836) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lamc3 (NM_011836) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Lamc3
Synonyms: A1562206; AW240805
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG212042 representing NM_011836
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGTATCCAGGGTCTGTCCCTCCTGGCAACGGTGGCATCGATGGCGCTGGTGATTACGGAGACAC
 ACTTCGCGGCAGGCGGGACATGGGCTCTTGCTACGACGGTGTGGGACGCGCACAGCGCTGTCTGCCTGA
 GTTCGAGAACGCGGCGTTCCGGCCGACGCGCCGAGGCTCCACACAGTGGGACGGCCCCGGAGGACTTC
 TGTCACACAGTGGGGCACCAGGGGCTGGGCTACAGTCCAGCGCTGCGACGATGCTGACCCCGGACGAC
 GCCACGACGCTCTACCTCACAGACTCCACAGCCCCGATGACAGCACCTGGTGGCAGAGCCCATCCAT
 GGCTTCGGGGTGCAGTACCCCACTCTGTAACTGACCTTGAGCTTAGGGAAGGCCTATGAGATTACC
 TATGTGAGGCTGAAGTCCACACAGTCCGCTGAGAGTTTTGCCATCTACAAGCGCACGTACGCCAGTG
 GCCCTGGGAGCCCTACCAATACTACAGTGCCTCCTGCCAGAAAACCTATGGCCGTCTGAGGGCCACTA
 CCTGCGACCGGGCAGGATGAGAGGGTGGCCTTCTGCACCTCTGAGTTTCACTGACATCTCCCCCTGAAC
 GGGGGCAACGTGGCCTTCTCCACCCTGGAAGGCCGTCCAGTGCCTACAACCTTTGAGGAGAGCCCTGTGC
 TGCAGGAGTGGTCAACGACTGACATCCTGATCTCTAGATCGGCTCAACAGTTTGGGGATGACAT
 CTTCAAGGACCCAGAGTGTCCAGTCTTACTACTACGCTGTGTCTGACTTCTCTGTGGTGGCAGGTGC
 AAATGCAATGGTACGCCAGTGAATGCGAACCAATGCGGCTGGTGGTGGCTGGCCGTGCAGCACA
 ACACCACAGGAGTGGACTGCGAGCGTTGTCTGCCCTTCTCCAGGACCGTCCGTGGGCCCGAGGCACCGC
 CGAGGATGCCAACGAGTGTCTGCCTGCAACTGCAAGTGGGCACTCTGAGGAGTGCACGTTTGACAGGGAG
 CTCTATCGGAGCACAGGCCATGGTGGGCACTGTGACGCGTCCGTTGACCACAACTGGGCCACTGTG
 AGCGCTGTGAGAAGAACTACTACAGATGGTCCCGAAGACACCATGCCAACCTGTGACTGCCACCCAGC
 AGGCTCTCTGAGTCTCCAGTGTGACAACTCAGGCGTCTGTCCCTGCAAGCCACAGTGCAGGCTGGAAG
 TGTGATCGCTGCCTGGATTCCACTCACTCAGTGGGGCGGTCAGACCCCTGTGCCTGCAATGTGCG
 CCGGCAGCTTGGGCACCTGTGACCCCGCAGTGGAACTGTCCCTGCAAAGAGAATGTAGAAGGCAGCCT
 GTGTGACAGATGCCGCCCTGGGACATTTAACCTGCAGCCCAATCCAGTGGGCTGCAGCAGCTGCTTC



[View online »](#)

TGTTATGGCCACTCCAAGGTGTGTTCTCCTGCTGCCGGGTTCCAGGAACACCACATCCGCTCAGACTTCC
 GCCATGGAGCTGGTGGCTGGCAGATCAGAAGCATGGGAGTGTCCAAGCGTCTCTGCAATGGAGCCAGAG
 TGGGCTCCTCCTGGGCTGCGAGGAGGGGAGGAACTCTCAGCCCCAAAGAAGTTCCTGGGAGACCAGAGA
 CTCAGCTATGGACAGCCAGTCACTACTGACCCTCCAAGTACCCCTGGAGGCTCCCCACCTCTATTACAGC
 TGAGACTGGAGGGAGCAGGCTTGGCTCTGTCTCTGAGGCCCTCCAGTCTACCCAGCCCTCAGGACACCAG
 GCAGCCAAGACGAGTTCCAGTCCAGTTCCTCTTGCAGGAGACTTCTGAGGAGCAGAGTCCCCACTGCCC
 ACCTTCCACTTCCAGCGCTGCTTTCAACTGACTGCTCTGAGCATCTGGACCAGTGGCCAAGGACCCGG
 GCCATTCTGGCCAAGTGCTCTTGTGTGAAGTTCAGCTCACATCGGCTGGCCCCAGCGTGAGCTTGCCCC
 TCCAGCCTCTTGGGTGGAGACCTGCTTATGTCCCCAGGGATACACAGGCCAGTTCGTGAATTCTGTGCT
 CTGGGATAACAAGAGAGAAATACCTCATGGGGTCCCTATGCCAACTGCATTCCCTGCACCTGCAACCAGC
 ATGGCACCTGTGACCCCAACACAGGGATCTGCCTGTGTGGCCACCACCCGAGGGTCCATCTGTGAGCG
 GTGCATGCCAGGTTTCTACGGTAACGCCTTCTCAGGCCGTGTGATGATTGCCAGCCCTGTCCGTGCCCT
 GGCCAATCAGCCTGTGCAACCATCCAGAGAGTGGAGATGTGGTGTGCACACACTGCCCTCTGGTCTCAGA
 GAGGACGACGATGCGAGAGCTGCGAAGATGGCTTTTTTGGGGATCCTCTAGGGCTCTCTGGAGCTCCCCA
 GCCCTGCCGCGATGCCAGTGCAGCGGGAACGTGGATCTCAATGTGTGGCAACTGTGATCCTCATTCT
 GGCCACTGCTTGGCTGTCTGTACAACACGACAGGGGCCACTGCGAGCACTGTCCGGAGGGTTTCTACG
 GGAGTGCCGTGGCCACAAGGCCCGTGGACAAATGTGCTCCCTGCAGCTGTGACCTGAGGGGCTCAGTCAG
 TGAGAAGACTGCAACCCTGTGACTGGCCAGTGTGTCTGCCTGCCTTATGTCTCCGGGAGGGACTGCAGC
 CGCTGCAGCCCTGGCTTCTATGACCTCCAGTCTGGGAGGGGCTGCCAGAGCTGCAAAATGTCAACCCACTTG
 GATCCTTGGAGAATAAGTGCCACCCCAAGACTGGCCAGTGTCCCTGCCGACTGGTGTACTGGCCAAGC
 CTGTGACAGATGCCAGCTAGGTTTCTTGGCTTCTCAACAAGGGCTGCCGAGACTGTAGGTGCTCCCCA
 TTGGGTGCTGCCTCATCTCAGTGCCATGAGAACAGCACCTGTGTGTGCCGGCCGGCTTTGTGGCTATA
 AATGCGACCGCTGCCAGACAATTTCTTCTCGGGATGGCGACACAGGCTGCCAAGAGTGTCCCCTTG
 CTATGCCCTAGTGAAGGAAGAGGCAGCCAAGCTGAAGGCCAGGTTGATGCTGATGGAGGGGTGGCTTCAA
 AGGTCTGACTGTGGTAGCCCTGGGGACCACTAGACATTCTGCAGGGAGAAGCCCTCTGGGGATGTCT
 ACCAAGGTCAACCTACTTCAAGAGACCCGGGGACCTTCTGCAGCAGATGGTGGCCTGGAGGATTC
 TGTGAAGGCCACTTGGGAGCAGTTCAGGTGCTGAGAGGGCATGTACACTGTGCCAGGCTGGAGCTCAG
 AAGACCTGCATCCAGCTGGCAGAGCTGGAGGAGACATTGCAGTCTCAGAGGAGGAGTCTTCTGTGAG
 CCTCAGCTCTCATTCTGGCAAGTCTCAGAAAGGATCCAGCACACCCACCAATTGGAGTCACTGGC
 ATCAGAGGCCAGATCCTTGCCAGAAGCCACAGGGACACGGCCACCAAGATCGAAGTACCTCGAAAGG
 GCCCTGCTCGCCTCCAACGCCAGCTATGAGCTCCTGAAGCTGATGGAAGGCAGAGTGGCCTCGAAAGCC
 AGCAGGAACTGGAGGACAGGTACCAGGAGGTGCAGGCAGCTCAGACTGCCCTGGGCATAGCTGTGGCAGA
 GGCCTGCCCAAAGCTGAAAAGGCACTGGCCACGGTGAAGCAAGTCAATTGGTGACGCAGCCCCACATCTA
 GGCTTGCTGGTCAACCCCTGAAGCAATGAACTTCCAAGCCAGGGGCTGAGCTGGAAGTGAAGGCCCTGG
 AGCAGAAGCTGGAGCAGAAGGAGCCCGAGGTGGGCCAGTCTGTGGGAGCCCTGCAGGTGGAGGCTGGAAG
 AGCCTTGGAGAAGATGGAGCCCTTATGCAGCTACGCAATAAGACCACAGCTGCCTTACACGGGCTTCC
 TCAGCTGTGCAAGCTGCCAAGGTGACCGTCATAGGAGCAGAGACCCTGCTAGCTGACCTAGAGGGAAATGA
 AGCTGAGGTCTCCTCTACCCAAGGAGCAGGCAGCGCTGAAGAAGAAAGCAGGCAGCATCAGGACCAGGCT
 CCTGGAGGACACAAAGAGGAAGACCAAGCAGGCAGAGAGGATGCTGGGAAATGCTGCCTCTCTCCTCC
 AGCACCAAGAAGAAAAGCAAAGAAGCAGAACTGATGTCTAAGGACAATGCCAAGCTCTCCAGAGCTTTGC
 TGAGGGAAGCAAGCAGGGCTACCGTCATGCCAGCCGACTCGCCAGCCAGACCCAGGCCACACTCCGTCCG
 GGCTCTCGCCTGCTGCTGACCTCAGAAGCACACAAGCAGGAGCTGGAGGAAGCTAAACAGGTGACCTCT
 GGGCTGAGCACTGTGGAGCGCCAGATCCGAGAGTCTCGGATCTCCTTGGAGAAGGACACCAAGGTCTGT
 CAGAGCTGCTTGTGAAGCTGGGGTCCCTGGGTGTCCACCAAGCCCTGCTCAGACCCTGAACGAGACCCA
 GCGGGCACTAGAAAGCTTGAAGTGCAGCTGGATTCCACGGAGCCCTGCATCACAACTGAGGCAGCTG
 GAGGAAGAGTCTGCTCGACAGGAGCTGCAGATTCAGAGCTTTGAGGACGACCTTGTGAGATCCGCGCTG
 ACAAGCACAACCTGGAGACCATTCTGAGCAGTCTGCCAGAGAACTGTGCCAGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG212042 representing NM_011836
 Red=Cloning site Green=Tags(s)

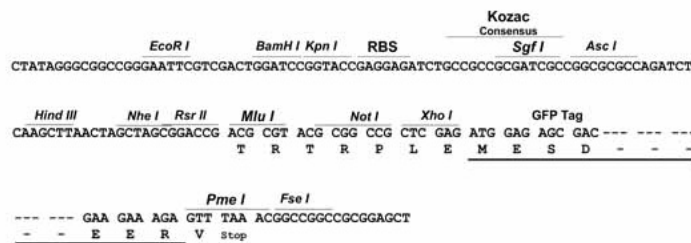
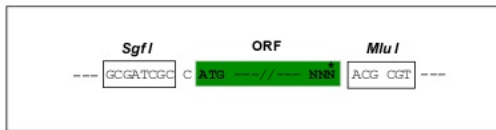
MAVSRVLSLLATVASMALVIQETHFAAGADMGSCYDGVGRAQRCLPEFENAAFGRRAEASHTCGRPPEDF
 CPHVGAPGAGLQCQRCDADPGRRHDASYLTDHFSPDDSTWWQSPSMAFGVQYPTSVNLTLSL GKAYEIT
 YVRLKFHTSRPESFAIYKRTYASGPWEPYQYYSASCQKTYGRPEGHYLRPGEDERVAFACTSEFSDISPLN
 GGNVAFSTLEGRPSAYNFEEESPVLQEWVSTDILISLDRLNTFGDDIFKDRPVLQSYYYAVSDFSVGGRC
 KCNGHASECEPNAAGQLACRCQHNTTGVCERCLPFQDRPWARGTAEDANECLPCNCSGHSEECTFDRE
 LYRSTGHGGHCQRCRDHTTGPHCERCEKNYYRWSPKTPCQPCDCHPAGLSLQCDNSGVCPCPPTVTGWK
 CDRCLPGFHSLSEGGCRPCACNVAGSLGTC DPRSGNCPCKENVEGSLCDRCRPGTFNLQPHNPVGCSSCF
 CYGHSKVCSPAAGFQEHHIRSDFRHGAGGWQIRSMGVSKRPLQWSQGLLLGLRGGEELSAPKKFLGDQR
 LSYGQPVILTQVPPGGSPPIQLRLEGAGLALSLRPSSLPSQDTRQPRRVQLQLLQETSEEAESPLP
 TFHFQRLLSNLTALSIWTSQGPGHSGQVLLCEVQLTSAWPQRELAPPASWVETCLCPQGYTGQFCEFCA
 LGYKREIPHGGPYANCIPCTCNQHGTCDPNTGICLGHHTEGPSCERCMPGFYGNFSGRADDQCPCPCP
 GQSACATIPESGDVVCTHCPPGQRGRRCESCEDGFFGDPLGLSGAPQPCRRQCQCSGNVDLNAVGNCDPHS
 GHCLRCLYNTTGAHCEHCREGFYGSAVATRPVDKCAPCSCDLRGSVSEKTCNPVTVGQCVCLPYVSGRDCS
 RCSPGFYDLQSGRGCQSKCHPLGSL ENKCHPKTGQPCPRPGVTQOACDRCLGFFGFSIKGCRDRCS
 LGAASSQCHENSTCVCPRPGFVGYKCDRCQDNFFLADGDTGCQECPTCYALVKEEAALKARLMLMEGWLQ
 RSDCGSPWGPLDILQGEAPLGDVYQGHLLQETRGTFLQQMVGLEDVSKATWEQLQVLRGHVHCAQAGA
 KTCIQLAELEETLQSSEEEVLAASALSFLASLQKGSSTPTNWSHLASEAQILARSHRDTATKIEATSER
 ALLASNASYELLLKMEGRVASEAQQELEDRYQEVQAAQTALGIAVAEALPKAEKALATVKQVIGDAAPHL
 GLLVTPPEAMNFQARGLSWKVKALEQKLEQKEPEVQSVGALQVEAGRALEKMEPFMQLRNKTTAAAFTRAS
 SAVQAAKVTVIGAETLLADLEGMKLRSLPKQAALKKKAGSIRTRLLLEDTKRKTQAERMLGNAALSS
 STKKSKEAELMSKDNAKLSRALLREGKQGYRHASRLASQTQATLRRASRLLLTSEAHKQEEAKQVTS
 GLSTVERQIRESRISLEKDTKVLSELLVKLGSLGVHQAPAQTLNETQRALESRLQLDSHGALHHKLRQL
 EESARQELQIQSFEDDLAEIRADKHNLETILSSLPENCAS

TRTRPLE - GFP Tag - V

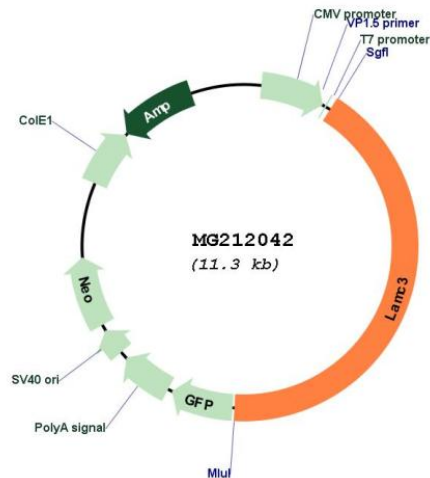
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_011836

ORF Size: 4743 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_011836.4](#)

RefSeq Size: 5930 bp

RefSeq ORF: 4746 bp

Locus ID: 23928

UniProt ID: [Q9R0B6](#)

Cytogenetics: 2 B

Gene Summary: Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.[UniProtKB/Swiss-Prot Function]