

Product datasheet for **MG214732**

lqcm (NM_001164235) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	lqcm
Synonyms:	1700007B14Rik; MGC143580; MGC143581
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG214732 representing NM_001164235
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCACCTGCAGAAGCTATACCTGAAGGAGTAGGCCCTGTATTGAAAACCACCCAGCAAGATTTTTTGC
 AAGAAGCAAAATCTCTTATTGCCCAACATCACAAGAGATTAATGAGAATAAGGCTCAAGGAACGCTCAT
 AGATGTCTTTAAAAATAAACACCAAAAACCGAAAACTGTCAAGTTCATACCTTTTGAGGTTAAGAAAAGT
 GAAATTCCTAATGTAGTCAAGAACATCGTTGGTACTCAAAGCATCAGCTATCCCAGGGACACTTCCA
 AGTGCCACAGCTTAATTGAGGCCTCACAGCAGATTTCTTCAAGGAGCCACATGTGTGCAATATAAAGA
 GAAGTGCCACCCTGTAGATCTTTTAAAAAGAAGAAAAAGTAAACTGGGTAAAAAATGAATGATATTGAA
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 ATTCACATGAGCTTGCCTTGCATAATCTGGCCTTCTCTGGGACTTCTGAAGGAACCTGCTGACAG
 GACGCTTATGATTGGAGGAGCGCTGCATTGATAAGATCTTCTATTTGCCTCATGGATCTGCTCAAAGT
 TTATCAGAGTCCAGTGACATTAAGAATTATTATAAGAGACCCATTAGGAAGAAAAGATCTGCAACCTA
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 TAAAGAATTGGACCACACATAGAATTTTCCAATATTCCAGCGAAGAAAACAAGCCATATTTACTAAA
 AGAATTATTAACCTGGTCACCACTGTGCAAGCATTATCAGGGGATGGCTTGAGCGCAAAAAGACTTCAAC
 GAATAAAGAGCAAGGTTTCGTATCATGGGCCAAATTTGAAAACAGTTATAAAAAATGTATCAGTGCCTAAT
 CCACCGTGTAGACACCGACTTGGTCTTTGGAGGACAAGACAGATTATACCTTGGAGAGTTAGAAGAA
 TGGATGGATAGAAAAAGTTCTATGAACCATGTTTGCCAAGAGAGAAGACTGGCAAGGCCTAGAAAAGAA
 GTGATCTGCTGAAATACTTCAACGACTGTGGTCAATTTCCCAACCCAGCCAGATCGATGAGTACTGGGA
 CCTGCTCCACAGATATGGTCAAGGAAGATATTCTGAAGTAATCAAAAAGTCCAATGCTATTGAACATTA
 TTTACTCTACCTCCTCAAGGTGCCAGAGTGAACATTAGCACAAGACTAAAGCCACATGGCTGAGAC
 CCTTGGTGGATGGGGAAGAAGGCTATAAGTACTTAGTGAATGGACATCCAATACTCAAGAGAGCTAACAT
 CCGGACTGTTGGCAAGTGGTGGCTCGATCCATAAGAGAAAAGAAAAATGAGACAATTTTATAAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214732 representing NM_001164235
 Red=Cloning site Green=Tags(s)

MAPAEAIPEGVGPVLETTQQDFLQEAQSLIAQHHKRLNENKAQGTSIDVFNKHQPKTKVKFIPFEVKKK
 EILNVVQEHRLVLKISISYPRDTSKCTALIEASQQISFKEPHVSNIEKCHPVDLLKEEKVKLGKIMNDIE
 SVSKQMEMEKEMHLRKSRLPEPFHSHMSLPLHNLASSLGLLKEADRTLVDWRSALIRSSYLPHGSAQS
 LSESSVTFKNYYKRPPIRKKDLQPIKKELKTEKRSKTIKSDKIDSKVKRIGPHIEIFLQFRRNKTIFTK
 RIIKLVTTVQAFIRGWLERKRLQRIKSKVSYHGPNLKTVIKMYQCLIHVRHRLGLWRTRQIIYLGEELE
 WMDRKKFYETMFAKREDWQGLERSDLLKYFNDCGHFPTQTQIDEYDWLLHRYGQGRYSEVIKKSNAIELL
 FTLYPPQGARVNI STRLKPTWLRPLVDGEEGYKYL VNGHPILKRANIRTVGKLVARSIRERKMRQFYKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001164235

ORF Size: 1467 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:

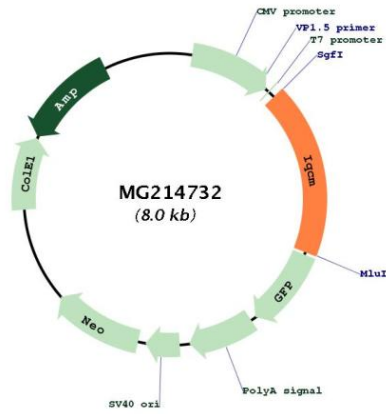
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001164235.1](#), [NP_001157707.1](#)

RefSeq Size: 2162 bp
 RefSeq ORF: 1470 bp
 Locus ID: 71831
 Cytogenetics: 8 C1

Product images:



Circular map for MG214732