

Product datasheet for **MC216170**

lqcd (NM_029408) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	lqcd (NM_029408) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	lqcd
Synonyms:	4933433C09Rik; AI662646
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216170 representing NM_029408
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCCTTGGACCAGGTCAGCATACCCCTTCTACCACGGACTGGCCATCCAAGAATCCCACTGAGAA
 CAGGTCTAGTCCAGCAGAGCCGATGAAGACCTTAGTCCCATCCAATCCAAGCTCAACACCATCGAGGC
 CAAGAGGATCATGTCACTCTGGATGAGGCCATACACAAGATAGAGCTGATAACCTGATGCTCTACATG
 GAGTCCCACCCAGAGGCTCTGGAGGACACGCTGCCCGAGGATTTCTGAGAGCCCTAAGAGAGCACTTGG
 ACATTGGCCAGACCCTGGTGGAGAGGGCCAGCATCCTGCAGAGGAGACACAAGAAGCTGGAGGAAGAGGA
 AGAAGCCGAGGAACTAGGAACAGGAACGCCTACTGTCCCTAGAGCTGCACAAGGTGAACCTGCTGACG
 CTGGCGCACCAGTTCGAGACTCCACCAAGACTGTCTGAGGCTCGTGTGGGCGAGCCTCAGTTCACCA
 GGCTGTTACAGGTACAGGCGCCAGGCAGAAGCCCGGGGGCCAGTGCCTCCTCGACGGTCTGGTGGAGCT
 TCGAGGTTTCTCTTTGAGAAGCTCCTCACCAGCCCCATGGAAGTCAGGGAGAAGAACCAATTCATACAG
 GACATCAGCCGGAGGAGCGAGAGGAACAGGAGGTTCATCGATGACCTCCAGGCTGAGCTGGCCAACGTGC
 TGAAGAACAAGGAGTCAGAGGTGGAGAAGGAGAAGTTTGTGATCCAGGAGCTGAAGAACCATCTGCACCA
 GGTGTTCAAGTTTTCGGAGAACAGCCTCCTCCGCACGAAGCAGGAGGCCGAGAAGCAGCAGAAGTGGAT
 TTCCGGGCTCCAGGTCAGGCTGGCCAAGACGCAGCAAGATATCCTGGCGCTTCGGGCACAGTACCACA
 ACCTGGTCATGGAGAACCAGGAGGAGCAGAGCAGGCACTAAGGAAGAAAAATACAAAGTGGAGACAGAAAT
 CGAAGACTGGATCCAGAAATATGACATGGAGATGGGCGAGAAGCAGGACGAATACGAGGACCTGGAGAGC
 ATCCACAAGGAGGAGAAGCTGCAGCTGGAGGAGCTGAGGGAAGGCACGCGGTGCTGGTGGAGGAGTTCT
 CTCAGATCCGGGCGAGAGCGAGATCAATTCCAAGAAGCGGGTGGAGGAGAGCGCGAGATGGTGCGCAT
 GGTGAGAGCCCGCACGCTCATCCAGGCGGTGTGGAAGGGCTACCTGGTGCCTCCATACTCAGGTCCAAG
 AAGAAGAAGCGGGCAAGGGGAAGGGCAAGACAAAGGGGAAGGGCAAGGAGAAGCCCAAGGAAGAAAGG
 CCAAGGAGAAGAAACCAAGGCCAAGGGCAAGGCAAGAAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029408

Insert Size: 1377 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:

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_029408.2 , NP_083684.1
RefSeq Size:	1668 bp
RefSeq ORF:	1377 bp
Locus ID:	75732
UniProt ID:	Q9D3V1
Cytogenetics:	5 F
Gene Summary:	Component of the nexin-dynein regulatory complex (N-DRC), a key regulator of ciliary/flagellar motility which maintains the alignment and integrity of the distal axoneme and regulates microtubule sliding in motile axonemes.[UniProtKB/Swiss-Prot Function]