

Product datasheet for **MC221507**

lqce (NM_028833) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	lqce
Synonyms:	1700028P05Rik; mKIAA1023
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221507 representing NM_028833
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGAGCCTGGGCACCACAGATATAGCCTCGGAGACGGGAGATGACAGTCTGTCTGCTATTACCTTTGAAT
 CTGACATTGAGTCGAAAAACAAAAGGAAAAGTTTCCACAAACCTCCTTCCACATCACCAAAGTCGCCCTA
 CTACTCCAAACCCAGAAAAGTGACCTCCTGGCGATCTCTGAAGACGGCAGGGAGCATGCCTCTGAGTAGC
 AGAATGTCTTTGACCCACAGAAGCTGTGGCTGGGATCCTCGAAACAGGGTAGTGTGGCCCAACCCCGA
 GCCCCACGCTTACCTCGGAGCACGCTGGACCCACCCCGCAGCTGCATCCCGACTACCTGACAGAAGC
 CGTGAGAGCGAAGAGGGCAGACCTCAGGCGTTCTGGCAGCCATGGTCACGTCTCTGGGACTTCCGCTAC
 AGAGAGAAGGAGGACATGTACGACGAGATCATCGAGTTGAAGAAGTCCTTACATATGCAGAAAAGTGATG
 TGGATCTGATGAGAACAAAGCTTCGGCGCTTGAAGAGGAGAACAGCAGAAAGGATCGGCAGATAGAACA
 GCTTCTGGATCCAAGTCGAGGCCAGACTTCGTGCGAACCTTGGCAGAGAAGAAGCCTGACACGGCTGG
 GTCATACCCGGGCTCAAAACAAAGGATCTTCAGGCTGGAGCAGCAATGCAAGGAGAAGGACAACACTATCA
 ACAAATGCAGACGGACATGAAGACCACCAACCTGGAGGAGATGCGCATTGCCATGGAACATACTACGA
 AGAGATCCATCGTCTGCAGACCCTCCTGGCGAGTTCTGAAGCCACAGGAAAGAGCCCATGGTGGAGAAG
 AAATCGGGTGTGAAGAGGCAGAGAAGATGAGCAGTGCCCTGCTGAACCTAACACGGAGTGTGCAGGAGC
 TGACCGAGGAGAACCAGAGCCTGAAGGAGGACCTGGACCGCATGCTGAGCAATTCACCCACCATCTCCAA
 AATAAAGGGTTACGGGACTGGAGCAAGCCCGGCTGCTGAGACGCATCGCAGAGCTAGAAAAGAAAGTG
 AGTTCTCTCAGAAAGCCCAAGCAATCGACTTCAGAGCTGGTGAATCCGAATCCCCTGGTCCGCTCCCCAT
 CCAACATCTCAGTGCAAAAGCAGCCGAAAGGGGACAGTCCCAGAGGACCTGCCAAGGTGGCCCGTG
 TGAGGAACAAGAGCATCTCAAGGAACCGTGAAGAGCCTGAGAGAGGAGCTGGGTGCACTGCAGGAGCAG
 CTGCTGGAGAAAGACCTGGAGATGAAGCAGCTGCTACAGTCCAAGATCGACCTGGAGAAGGAGTTGGAGA
 CAGCCAGGGAAGGCGAGAAGGGGAGGCAGGAGCAGGAGCAGGCTTTGAGGGAGGAAGTTGAAGCACTCAC
 CAAAAATGTCAAGAACTGGAAGAAGCTAAGAGAGAAGAGAAAACTCCTTCGTAGCAGTGACTCATGAG
 GCTCATCCAGAGCTCCATGCCCCCTCGCCCTGCAGCAGGCACTCCGAGCCAGACTCTGACAATAGTGCTG
 GTGAGGAGGGTAGCTCCCAACCCCTGCCCATGCTCTGAAGAGAGGAGAGAGGCTGCCATTAGGACCCT
 GCAGGCGCAGTGGAAGGCCACAGGCGCAAGAAAAGAGAAGCAGCTCTGGATGAGGCAGCGACTGTGCTC
 CAGGCAGCCTTCAGGGGACACCTAGCTCGTTCGAAGCTTGTACGCAGCAAAGTCCAGACTCCAGGTCTC
 CCAGCCTGCCGGGCTTCTCAGCCCTCTTAACCAAGAGTTCTCCTGCGCCCCGTGCTTAAGCCCCATCTC
 CCCGGCTGAAGAGAACCACACAAGAGGAGGCTGTCATCGTTATCCAGTCCATCCTCCGTGGATACCTG
 GCCCAGGCCAGGTTCAATGCCAGCTGCTGTGAGAGATTGCGGCGTCTCTCAGAGGAAACTGTTTCAT
 TGACACCCTCAGGATCTGCCTCCCCACCTCCCTCAGAGCTTCTCCCGAGTGATCCGCAAGGAGCTCTG
 TGCTTCGGAGGAGCTGAGGGAGACCTCTGCATCTGAACCTGCCCCCTCCGTCCCTACTCCGCCCAAGGT
 GGCCACGGGACTGCCGCTCTCATCCAGTCTGGAGGCTGTGCCAGTATGAAGGATGCCATGTGTGAGG
 AAAGGAGCAGCAGCCCTAGAAGCGCAGGGCCATCCTTGGCTGAGCCCTCTCCCCAGAACTGCAGCCCTT
 GTCACCACCACTGTGGAGGACATCTGCTCGGATGACTCAGATGACATTATCTTTTCGCCATTTCTGCC
 AGGAAGAAAAGCCCTCCCGTTCTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_028833

Insert Size: 2337 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:	<u>NM_028833.3</u> , <u>NP_083109.2</u>
RefSeq Size:	4359 bp
RefSeq ORF:	2337 bp
Locus ID:	74239
UniProt ID:	<u>Q6PCQ0</u>
Cytogenetics:	5 G2
Gene Summary:	Component of the EvC complex that positively regulates ciliary Hedgehog (Hh) signaling (PubMed:24582806). Required for proper limb morphogenesis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.