

Product datasheet for **MR210601**

lqce (NM_028833) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | lqce (NM_028833) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | lqce |
| Synonyms: | 1700028P05Rik; mKIAA1023 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>MR210601 representing NM_028833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCTGGGCACCACAGATATAGCCTCGGAGACGGGAGATGACAGTCTGTCTGCTATTACCTTTGAAT
 CTGACATTGAGTCGAAAACAAAAGGAAAAGTTTCCACAAACCTCCTTCCACATACCAAAGTCGCCCTA
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 GCTTCTGGATCCAAGTCGAGGCCAGACTTCGTGCGAACCTTGGCAGAGAAGAAGCCTGACACGGGCTGG
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 CAAAAATGTCAAGAACTGGAAGAAGCTAAGAGAGAAGAGAAAACTCCTTCGTAGCAGTGACTCATGAG
 GCTCATCCAGAGCTCCATGCCCCCTCGCCCTGCAGCAGGCACTCCGAGCCAGACTCTGACAATAGTGCTG
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 GTCACCACCACCTGTGGAGGACATCTGCTCGGATGACTCAGATGACATTATCTTTTCGCCATTTCTGCC
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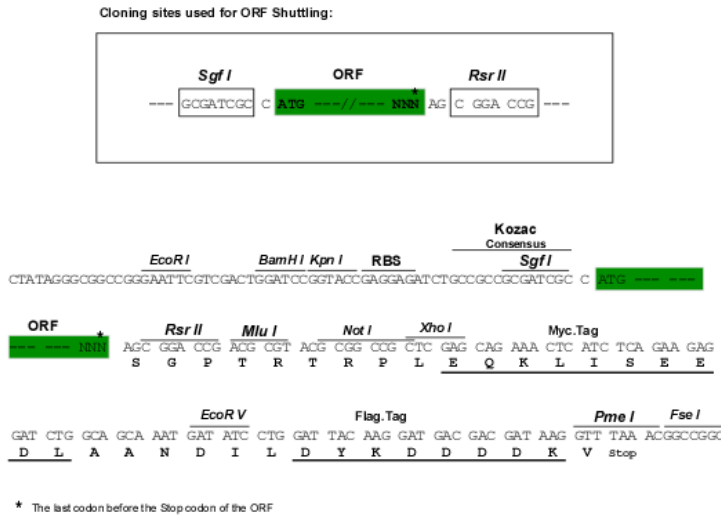
Protein Sequence: >MR210601 representing NM_028833
Red=Cloning site Green=Tags(s)

MSLGTTDIASETGDDSLSAITFESDIESKTKRKSFKHPPSTSPKSPYYSKPRKVTSWRSLKTAGSMPLSS
RMSLTPQKLWLGSSKQGSVAQPPSPTLTSEHAWTHPPSCTPDYLTEAVRAKRADLRSGSHGHVSGTSTVY
REKEDMYDEIIELKKSLSHMQKSDVDLMRTKLRREEEENSRKDRQIEQLLDPSRGPDFVRTLAEKKPDGTW
VITGLKQRIFRLEQQCKEKDNTINKLQTDKTTNLEEMRIAMETYYEEIHRLQTLLASSEATGKKPMVEK
KLGVKRQKKMSSALLNLTRSVQELTEENQSLKEDLDRMLSNSPTISKIKGYGDWSKPRLLRRIAELEKKV
SSSESPKQSTSELVNPPLVRSPSNISVQKQPKGDQSPEDLPKVAPCEEQEHQGTVKSLREELGALQEQ
LLEKDLEMKQLLQSKIDLEKELETAREGEKGRQEQEQALREEVEALTKKCQELEEAKREEKNSFVAVTHE
AHPHELHAPSPCSRHSEPDSDNSAGEEGSSQPPAPCSEERREAAIRTLQAQWKAHRRKKREAAALDEAATVL
QAAFRGHLARSKLVRKVPDSRSPSLPGLLSPLNQSSPAPRVLSPISPAEENPTQEEAVIVIQSILRGYL
AQARFIASCCREIAASSQRETVSLTPSGSASPPSLRASPGVIRKELCASEELRETSASEPAPSVPYSAQG
GHGDCPSSSSLEAVPSMKDAMCEERSSSPRSAGPSLAEPSPELQPLSPPPVEDICSDSDDDIIFSPFLP
RKKSPSPF

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_028833

ORF Size: 2334 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_028833.3](#), [NP_083109.2](#)

RefSeq Size: 4359 bp

RefSeq ORF: 2337 bp

Locus ID: 74239

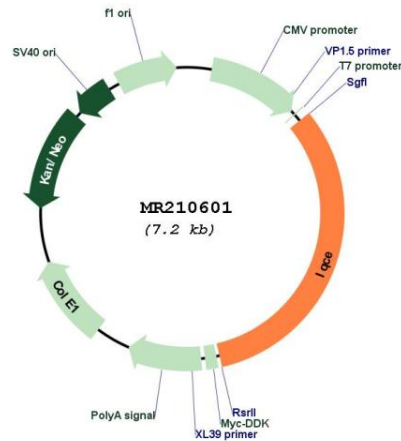
UniProt ID: [Q6PCQ0](#)

Cytogenetics: 5 G2

MW: 86.4 kDa

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]

Product images:



Circular map for MR210601