

Product datasheet for **MR216637**

Pqlc1 (NM_001164420) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pqlc1 (NM_001164420) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pqlc1
Synonyms: 2310009N05Rik; 4933425L21Rik; 5730564E11Rik; C78974
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR216637 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGCGGAAGGCTTGGGATGGCTTCTGGTCCCCTGCACCAGCTGGTTTCTGGGTGGCCGCTGGGG
CCATGGTCTTCGGAGGGGTAGTACCGTACATACCCCAATACAGGGACATCCGGAGGACTCAGAATGCCGA
CGGTTTCTCCACCCATGTGTGCCTGGTGTATTGGTGGCCAATATTTACGGATACTCTTTGGTTCGGA
AGGCACCTCGAGTCCCCGCTCCTGTGGCAGAGCATAGTCATGATCCTTACGATGTTGCTCATGCTGAAGC
TCTGCACCGAGGTCCGCGTGGCCAATGAGCTGAACATCAAGCGCCGCTCCTTTGCAGACTTTGATCCTCA
CCACTTCTGGCACTGGAGCAGCTTCTCAGACTATGTGAGTGTGTCTGGCCTTACGGGCGTGGCGGGC
TACATCACCTACCTGTCCATCGACTCGGCTCTGTTTGTGGAGACGCTGGGCTTCTGGCTGTGCTGACTG
AAGCCATGCTGGGGGTGCCACAGCTGTACCGAACTACTGCCACCGCTCCACGGAGGCATGAGCCTCAA
GATGGTGTCTATGTGGACAAGTGGTACACCTTCAAGACGGCCTACTTCTTGCTCAACGGCGCACCTCTG
CAGTTCTCAGTCTGCGGTCTACTACAGGTATGGTGGACCTGGTATCCTGGGGCAGGCCATGCCTTTG
CTCACCAACCCCAAGAAGCCAGCGGCCATGCAGTGCACCTGCCAGTACCAAGGCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216637 protein sequence
Red=Cloning site Green=Tags(s)

MEAEGLGWLLVPLHQLVSWAAGAMVFGGVVPIPYRDIRRTQNADGFSTHVCLVLLVANILRILFWFG
 RHFESPLLWQSI VMIL TMLMLKLCTEVRVANELNIKRRSFADFPHHFWHWSFSDYVQCVLAF TG VAG
 YITYLSIDSALFVETLGF LAVL TEAMLGVPQLYRNYCHRSTEGMSLKMVLMWTS GDTFKTAYFL L NGAPL
 QFSVCGLLQVMVDLVILGQAYAF AHPQKPAAHAVHPASTKAL

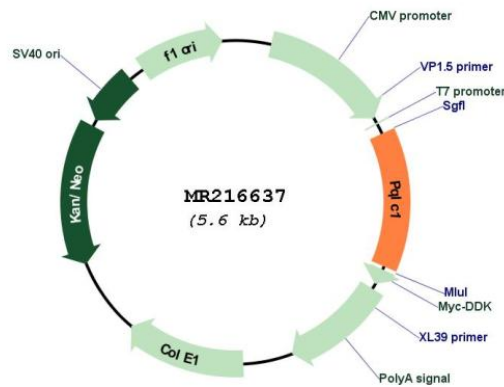
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164420
ORF Size: 759 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:	<ol style="list-style-type: none">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_001164420.1 , NP_001157892.1
RefSeq Size:	2003 bp
RefSeq ORF:	762 bp
Locus ID:	66943
UniProt ID:	Q80XM9
Cytogenetics:	18 E3
MW:	28.5 kDa