

## Product datasheet for **MR216642**

### **Pqlc1 (NM\_001164421) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pqlc1 (NM\_001164421) 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:** >MR216642 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAAGCGGAAGGCTTGGGATGGCTTCTGGTCCCCTGCACCAGCTGGTTTCTGGGTGGCCGCTGGGG  
CCATGGTCTTCGGAGGGGTAGTACCGTACATACCCCAATACAGGGACATCCGGAGGACTCAGAATGCCGA  
CGGTTTCTCCACCCATGTGTGCCTGGTGTATTGGTGGCCAATATTTACGGATACTCTTTGGTTCGGA  
AGGCACCTCGAGTCCCCGCTCCTGTGGCAGAGCATAGTCATGATCCTTACGATGTTGCTCATGCTGAAGC  
TCTGCACCGAGGTCCGCGTGGCCAATGAGCTGAACATCAAGCGCCGCTCCTTTGCAGACTTTGATCCTCA  
CCACTTCTGGCACTGGAGCAGCTTCTCAGACTATGTGCAGTGTGTCTGGCCTTACGGGCGTGGCGGGC  
TACATCACCTACCTGTCCATCGACTCGGCTCTGTTTGTGGAGACGCTGGGCTTCTGGCTGTGCTGACTG  
AAGCCATGCTGGGGGTGCCACAGCTGTACCGAACTACTGCCACCGCTCCACGGAGGCATGAGCCTCAA  
GATGGTGTCTATGTGGACAAGTGGTACACCTTCAAGACGGCCTACTTCTTGCTCAACGGCGCACCTCTG  
CAGTTCAGTCTGCGGTCTACTACAGGTATGGTGGACCTGGTCATCCTGGGGCAGGCCATGCCTTTG  
CTCACCCCCCAAGAAGCCAGCGGCCATGCAGTGCACCCTGCCAGTACCAAGGCTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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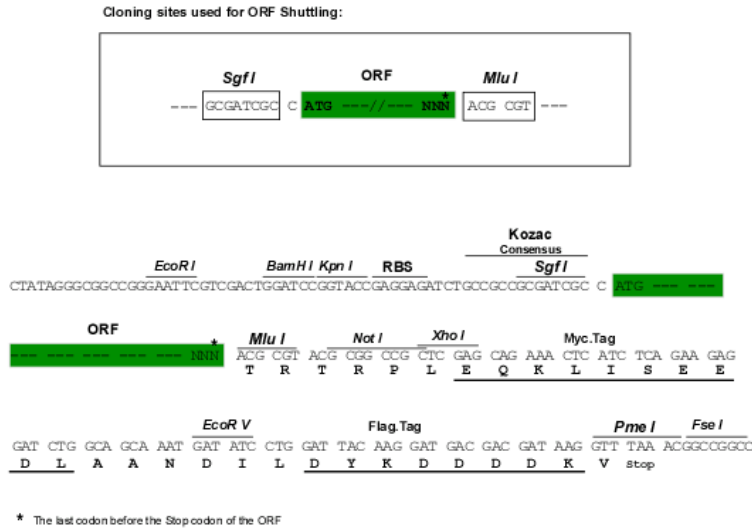
**Protein Sequence:** >MR216642 protein sequence  
 Red=Cloning site Green=Tags(s)

MEAEGLGWLVLPLHQLVSWVAAGAMVFGGVVPIYQYRDIRRTQNADGFSTHVCLVLLVANILRILFWFG  
 RHFESPLLWQSI VMIL TMLMLKLCTEVRVANELNIKRRSFADFDPHFWHWSFSDYVQCVLAF TG VAG  
 YITYLSIDSALFVETLGF LAVL TEAMLGPQLYRNYCHRSTEGMSLKMVLMWTS GDTFKTAYFLLNGAPL  
 QFSVCGLLQVMVDLVILGQAYAF AHPQKPAAHAVHPASTKAL

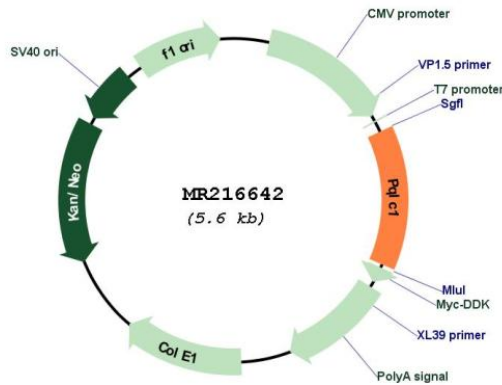
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001164421  
**ORF Size:** 759 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001164421.1</a> , <a href="#">NP_001157893.1</a>
<b>RefSeq Size:</b>	1935 bp
<b>RefSeq ORF:</b>	762 bp
<b>Locus ID:</b>	66943
<b>UniProt ID:</b>	<a href="#">Q80XM9</a>
<b>Cytogenetics:</b>	18 E3
<b>MW:</b>	28.5 kDa