

Product datasheet for **MG216637**

Pqlc1 (NM_001164420) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pqlc1 (NM_001164420) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Pqlc1 |
| Synonyms: | 2310009N05Rik; 4933425L21Rik; 5730564E11Rik; C78974 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG216637 representing NM_001164420 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCGGAAGGCTTGGGATGGCTTCTGGTCCCCTGCACCAGCTGGTTTCCTGGGTGGCCGCTGGGG
CCATGGTCTTCGGAGGGGTAGTACCGTACATACCCCAATACAGGGACATCCGGAGGACTCAGAATGCCGA
CGGTTTCTCCACCCATGTGTGCCTGGTGTATTGGTGGCCAATATTTACGGATACTCTTTGGTTCGGA
AGGCACTTCGAGTCCCCGCTCCTGTGGCAGAGCATAGTCATGATCCTTACGATGTTGCTCATGCTGAAGC
TCTGCACCGAGGTCGGCTGGCCAATGAGCTGAACATCAAGCGCCGCTCCTTTGCAGACTTTGATCCTCA
CCACTTCTGGCACTGGAGCAGCTTCTCAGACTATGTGCACTGTGTCTGGCCTTACGGGGCTGGCGGGC
TACATCACCTACCTGTCCATCGACTCGGCTCTGTTTGTGGAGACGCTGGGCTTCTGGCCGTGCTGACTG
AAGCCATGCTGGGGGTGCCACAGCTGTACCGAACTACTGCCACCGCTCCACGGAGGGCATGAGCCTCAA
GATGGTGTCTATGTGGACAAGTGGTGACACCTTCAAGACGGCCTACTTCTTGCTCAACGGCGCACCTCTG
CAGTTCTCAGTCTGCGGTCTACTACAGGTATGGTGGACCTGGTTCATCCTGGGGCAGGCCATGCCTTTG
CTCACCACCCCAAGAAGCCAGCGGCCATGCAGTGCACCCTGCCAGTACCAAGGCTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216637 representing NM_001164420
Red=Cloning site Green=Tags(s)

MEAEGLGWLLVPLHQLVSWVAAGAMVFGGVVPIYQYRDIRRTQNADGFSTHVCLVLLVANILRILFWFG
 RHFESPLLWQSI VMIL TMLLMLKLCTEVRVANELNIKRRSFADFDPHHFWHSSFS DYVQCVLAFTGVAG
 YITYLSIDSALFVETLGFLAVLTEAMLGVPQLYRNYCHRSTEGMSLKMVLMWTS GDTFKTAYFLLNGAPL
 QFSVCGLLQVMVDLVILGQAYAF AHPQKPAAHAVHPASTKAL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

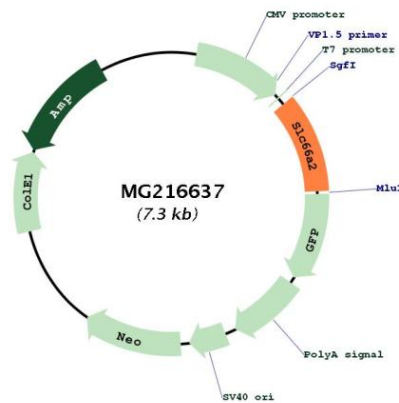
RefSeq ORF: 762 bp

Locus ID: 66943

UniProt ID: [Q80XM9](#)

Cytogenetics: 18 E3

Product images:



Circular map for MG216637