

## Product datasheet for **MC202975**

### **Pqlc2 (NM\_145384) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pqlc2 (NM_145384) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pqlc2
Synonyms:	BC019216
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC019216 sequence for NM\_145384  
 CCACGCGTCCGCGGATCCTGAAGCTGACACCGGCTGTGGATCTTGAAGTGGTGTGCATGCACGCAGAGTG  
 ACCACATAGGAACTCTGTGCAGGTGGCAAGAACTGAGAGGGCGTCTTTCTTCTGCTCCTTCAACCAGC  
 CATACTCTGGCTTGGGCTGTGGCTTCTTGTAGGATAAACCTTTGCCAGCCTCTGACCCCTTGCCTGTGT  
 TCATACACCTGTACCTTCTGGGACCCCTCCCTCTGCAGCCATGGTCTGGAGGACACTGGGCGCCAGCAACT  
 TTTCCACCTGTCCAATGGCTCTGTCCAGTGGATCTGGGATGTGTTTGGTGAATGTGCCAGGATGGCTG  
 GGATGAGGCCAGCGTGGGCTGGGCTTGGTCTCCATTCTGCTTCGCTTCCCTACCTTCCCCAGTAC  
 ATCAAAGCCTGCAAGACAGGCAACATGGACCAGGCCCTATCACTGTGGTTCCTGCTGGGCTGGATCGGTG  
 GAGATTCCTGCAACCTCATTGGCTCCTTTCTGGCAGACCAGCTACCCCTGCAGACCTACACGGCTGTGTA  
 TTATGTCTGGCCGACCTGATGATGCTGACGCTGTAATTAAGTTCAAGAAGCGACCTTCTCCG  
 TTGTCTGCCCTATCAATTCTGTGCTCTTGTTCATCTTGGGGACGGTGTGTATCACACCACTGTTGAGCA  
 GCACTGATCCTGTGGCTGTCCCAAGGAAGGCTTCCGGGGGCGGACACTCCTGTCTGTGGAGCCAGGCAA  
 TAAGCCCTTCAAAAGAAGGAGGTATCGGCTTGTGATCGGCTCCGCTCCAGCTTGTGTACCTGCTC  
 TCGAGGCTGCCTCAGATTCGACCAATTCATACGGCAGTCAACCAAGGCATCTCTACTCGTGTTCG  
 CACTGGTGTGCTGGGGAACACGCTGTACGGGCTCAGCGTGTCTCAAGAACCCCGAGGTGGGCCAGAG  
 TGAGGGCAGCTACCTGCTGCACCACCTGCCTGGCTCGTGGGCAGCCTGGGGGTGCTGCTGCTCGACACC  
 ATCGTATCCTTCAAAGCGTGTGATGTTGGCACCCTTGTGTGGGCAAGACGGCCTCTGCTTCAAGTGTGCAC  
 ATCCCTGCCAGCCACCCCTCTGTCTACATACTCATCCACCTGCCATTAGCACATTCACCTATTCGTC  
 GTGTGCTTCCATCTACAATCCAGCCTTAACCACCCCTTCAATTAACCACTCAACCCACCCACC  
 CATCACCACTTAGACACCTATCCATCTATGCACTCACCTAATCATACACACATCCCATTTGTCCACCCA  
 TCCTTCATCTATAATCCAACATTCATCCAACCTCCATTAACCTGTCCATCCCATCCATCTACCCACCG  
 TCTGTCCATCATCCATCCATCCATCATCTGTCCATCCATCCATTATCTATCCATCCACCTATCTACCCAT  
 CTTCCAGTGTATCTGCCATCCAGCCTCCACCCACCTGTCCATTCACCTCGACTACCCATCAGTTTCCC  
 ATTTATCCATCCATTTATTCACCCACACCCACCCATCCACCCATCTGTGAGTCCATCAGTCCATCCATGA  
 TGGGTGGACCCAGCCAGGACCAGTCCCATCAGTGAGCAAGGACAGAGCGTGCCTAGATTTTGGGGTGGT  
 TGCCTAACTTCAAGTGGCACCAGCGCCGTGGAGTGAATCACCACTGGACTCTCCTGGTTTGGGGAAACA  
 GAGGCCCCAGCAGGTATCGCACCGGGCCGGGGGAGAAGTTATTCAGGCACAAGGGAACAGAGTCCCAG  
 CACAGCCTGTGCAAAGGCCCAAGGGACAGAAGAGTGTGTGCACTGTGAAACGAGAGCTGAGTCATGGA  
 GACAAGTTTGGTAGGCTTCGCTCCTTCTCCGTTTCTCCCTGATGACAAGGGTGAAGTCCAGTCAG  
 ACCCTCAGGGTTTCAAGTCACTGTCCCTGCTGGCATCAGTGTCTGAACACCCTCTCCATGTGACCTGTGAC  
 CTGTTAGTGTGCAAGTGGTTCGGCTGGACGTTATTTGGCAAGAAGTAAACACGATCTTTGTGTCAACA  
 TTTGGAGAGTCCCAGTGGGACGTGGTGAGAGAGAAAGGCTTAAAGTCTAGAGGGCCACGTGGCCAGCC  
 TCTGGGTGTTGTAGGGAGGAAGAGCGCCCTATTCCAGGGTCCCTGATGGCAGAGTCAAGGGATCAAGGAG  
 GCACTCGGTGGTGGGAGAGCAAGGCGACAGGAGCAGGGCTGGCCAGTGTGGCTGCAGTACCTTAACAG  
 TGTCTCAGATCTCCATCCAGTTCCTGGTGTACAGAAGCCATGAGACTGCTGCTGCCTCAGAGCGAGAGC  
 CCCTCCTCCCAAGCTGATCATCGTCTGGATGATGGGAACCTCAGCTGCCAAACCAGGAAGGATGAGGTG  
 TGGGCAGAGATACCGCCCGCGTGGACTGGGCTAGGAGGCTGCCTGGAACCTCTGGGCTGGCTGCCTAG  
 AACTCCTCCATGCCTGACCTTCAAGACAGATCTGGAGTTGGCTTGTGCTGCACAGGGGCATACCTCTCAGG  
 TGTATGACAGCTGCCCGAGGAGCCTTAGGGCACCCATAGCTGAGACCCAGAAAGACGGTATGGTCACT  
 CCCATCTACCTACCTCAATCTGACTGACTCTTGGTTACATCATAGTCAGGGGACCTAGGGTTGTCCCTC  
 TGACTGGATACAACCTAGTAAATGGTACCTTCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_145384

**Insert Size:** 858 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).

<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>	<u><a href="#">BC019216</a></u> , <u><a href="#">AAH19216</a></u>
<b>RefSeq Size:</b>	2779 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	212555
<b>UniProt ID:</b>	<u><a href="#">Q8C4N4</a></u>
<b>Cytogenetics:</b>	4 D3
<b>Gene Summary:</b>	Amino acid transporter that specifically mediates the pH-dependent export of the cationic amino acids arginine, histidine and lysine from lysosomes.[UniProtKB/Swiss-Prot Function]