

## Product datasheet for **MC200688**

### **Pck2 (BC010318) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pck2 (BC010318) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pck2
Synonyms:	1810010O14Rik; 9130022B02Rik; PEPCK-M
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC010318  
TATGCTCCTTCCTTCCCCGCCTTCTTGTCTCCCCGACTGCGCTCGTTCCTGTGGCCATCCCCGACGCGCC  
AGTCCAGGTGCCATGGCTGCTATGTACCTCCCCGGCTGCGGCTTAGCCGGCACGGGCTAAGGCCCTGGT  
GCTGGTACCCTGCGGTAGCATCCAAACCTGCGTGTGCTCAGTGGAGATATGAGTCAGCTGCCGGCTGG  
AGTTCGAGACTTTGTGGCGCGCAGTGCGCATCTGTGCCAACAGAGGGCATCCACATCTGTGATGGGACC  
GAGGCTGAGAACACTGCCATACTGGCCCTGCTGGAAGAACAGGGTCTTATCCGCAAACCCCCAAGTATA  
AGAAGTCTGGCTGGCCCGCACAGACCCCAAGGATGTGGCACGGGTAGAAAGCAAGACGGTATTGTAAC  
TCCTTCGACGCGGACACAGTGCCTCTCCTGGCTGGTGGGGCCAGGGGGCAGCTGGCAACTGGATGTCC  
CCAGATGAGTTCCAGAGAGCTGTGGACGAGAGATTCCCAGGATGCATGCAGGGCCGATTATGTATGTGC  
TTCCATTAGCATGGGTCCCGTGGGCTCCCCACTCTCCCGCATTGGAGTGCAGCTCACTGACTCGGCTTA  
CGTGGTGGCCAGTATGCGTATTATGACCCGCTTGGGGACACCTGTACTTCAGGCCCTGGGAGATGGTGAC  
TTCATCAAGTGTCTGCATTAGTGGGCCAGCCCTGACTGGACATGGGGATCCTGTGGGCCAGTGGCCGT  
GCAATCCAGAAAAACCTGATTGGCCACGTGCCAGACCAGCGGGAGATCGTCTCCTTCGGCAGCGGCTA  
TGGTGGTAACTCCTTGTGGCAAGAAGTCTTTGCCCTGCGCATCGCCTCTCGCCTGGCCAGGGATGAG  
GGCTGGCTGGCAGACACATGCTGATTTTGGGCATCACC AACCTGCAGGGAAAAAGCGCTACGTGGCAG  
CTGCTTTCCCCAGTGCCTGTGGCAAGACCAATCTGGCCATGATGAGACCTGCATTGCCGGCTGGAAGT  
GGAGTGTGTGGGGATGACATCGCCTGGATGAGGTTTGACAGTGAAGGTCAACTCCGGGCCATCAACCTT  
GAGAATGGCTTCTTTGGGGTGGCCCTGGTACCTCTGCTGCCACCAATCCCAATGCCATGGCCACAATTC  
AGAGTAATACTCTCTTACCAACGTGGCTGAGACCAGTGTGGCGGTGTGTACTGGGAAGGCATTGACCA  
GCCTCTTCGGCTGGTGTACCATAACCTCGTGGCTGGGAAAGCCCTGGAAACCTGGTGACAAGGAACCC  
TGTGCACATCCAACTCGCGCTTTTGTGTCCCAGCTCGCCAGTGGCCCATCATGGACCCAGCCTGGGAAG  
CACCAGAAGGTGTCCCTATTGATGCCATCATCTTTGGAGGCCCGGACCCAAAGGGTACCACTGGTGTA  
CGAGCCCTTCAACTGGCGTCATGGGGTGTGGTAGGTAGCGCCATGCGCTCTGAGTCCACTGCCGCTGG  
GAGCACAAAGGAAAGACCATTATGCATGATCCCTTTGCCATGCGGCCTTTTTTTGGCTATAACTTTGGAC  
GCTACCTGGAACACTGGTTGAGCATGGAGGGACAAAAAGGTGCCCGGCTGCCTCGTATCTTCCATGTCAA  
TTGGTTCGGAGAGATGAAGCAGGCTGCTTCTGTGGCCAGGCTTTGGAGAGAATGCTCGTGTGCTAGAC  
TGGATCTGCCGAAGATTAGAAGGAGAAGACAGTGCCCAAGAGACTCCCATTGGGCTAGTACCAAAGGAAG  
GAGCCCTGGACCTCAGTGGCCTCAGCGCAGTGGACACCAGTCACTGTTCTCCATCCCCAAGGACTTCTG  
GGAGCAGGAGGTTCTGTATATTCGGGGCTACCTGACAGAGCAAGTCAACCAGGACCTGCCCAAGGAGGTG  
TTGGCTGAGCTCGAGGCTCTGGAAGGACGTGTACAAAAAATGTGACCTGAGGCTCTAGGCTAGCAAGAGC  
ACAGCTCCCCATTTGGGTAGAGAACCCCAAGGCTCACAGAAAACATGAACAATCTGACATTAATAATGTG  
TGAGTGTGGAAGGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** BC010318

**Insert Size:** 1923 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).

**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:** [BC010318](#), [AAH10318](#)

**RefSeq Size:** 2143 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 74551

**Cytogenetics:** 14 28.19 cM

**Gene Summary:** Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle.[UniProtKB/Swiss-Prot Function]