

## Product datasheet for **RN215697**

### **Pkm (NM\_053297) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pkm (NM_053297) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pkm
Synonyms:	PK; Pk3; Pkm2; PKM12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215697 representing NM\_053297  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCAAGCAGACAGCGAAGCAGGGACTGCCTTCATTAGACCCAGCAGCTCCATGCAGCCATGGCTG  
 ACACCTTCTGGAACACATGTGCCGCTGGACATTGACTCCGCACCCATCACGGCCGCAACACTGGGAT  
 CATCTGTACCATTGGCCCTGCTTCCCGATCTGTGGAGATGCTGAAGGAGATGATTAAGTCTGGGATGAAT  
 GTGGCTCGGCTGAATTTCTCATGGAACCCATGAGTACCATGCAGAGACTATCAAGAATGTCCTGCGAG  
 CCACAGAAAGCTTTGCATCTGATCCATTCTTACCGACCTGTTGCGGTGGCTCTGGATACAAAGGGACC  
 TGAGATCCGGACTGGACTCATCAAGGGCAGCGCACCCGAGAGGTGGAGCTGAAGAAGGGAGCCACACTG  
 AAGATCACCTGGACAACGCCTACATGGAGAAGTGGATGAGAACATCCTGTGGCTGGACTATAAGAACA  
 TCTGCAAGGTGGTGGAGGTGGCAGCAAGATCTACGTGGACGATGGGCTCATCTCCCTGCAGGTGAAGGA  
 GAAAGGTGCTGACTACCTGGTGACAGAAGTGGAAAATGGTGGCTCCTTGGGCAGCAAGAAGGGCGTGAAC  
 CTGCTGTGCTGCTGTGGACCTCCCTGCTGTGTGAGAAAAGGACATCCAGGACCTGAAGTTTGGGGTGG  
 AGCAGGACGTGGACATGGTGTTCATCCGCAAGGCGGCTGACGTGCATGAGGTTAGGAAGGT  
 CCTGGGAGAGAAGGGCAAGAACATCAAGATCATCAGAAAATCGAGAACCATGAAGGTGTCCGCAGGTTT  
 GATGAGATTTTGGAGGCCAGCGATGGAATCATGGTAGCTCGTGGTGGACCTGGGCATTGAGATCCGGCAG  
 AGAAGGTCTTCTAGCTCAGAAGATGATGATTGGACGATGCAACCGAGCTGGGAAGCCAGTCATCTGCGC  
 CACCCAGATGCTGGAGAGCATGATCAAGAAGCCACGCCCCACCCGTGTAAGGCAGTGACGTGGCCAAT  
 GCAGTCTAGATGGAGCTGACTGCATCATGCTGTCCGGAGAAACAGCCAAAGGGGACTACCCTCTGGAGG  
 CTGTTCCGATGCAGCACCTGATAGCTCGAGAGGCTGAGGCAGCCGTGTTCCACCGCTGCTTTGAAGA  
 GCTTGGCGGAGCCCTCCAGTCAATCCACAGACCCCTGGAGGCCATGGCCATGGGCAGCGTGGAGGCCCTCT  
 TATAAATGTTTAGCAGCAGCTTTGATAGTTCTGACGGAGTCCGGCAGGAGTGTCAACCAAGTGGCCCGT  
 ACCGCCAAGGGCTCCTATCATTGCTGTGACACGCAATCCCAGACAGCCCGCCAGGCCCATCTGTACCG  
 TGGCATCTCCCTGTGCTGTGTAAGGATGCCGTAAGTGCCTGGGCTGAGGACGTTGATCTTCGTGTG  
 AACTTGGCCATGAATGTTGGCAAGGCCGAGGCTTCTTCAAGAAGGGAGATGTGGTCATTGTGCTGACTG  
 GATGGCGCCCTGGCTCTGGCTTACCAACACCATGCGTGTAGTGCCTGTACCA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_053297
- Insert Size:** 1596 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:** [NM\\_053297.2](#), [NP\\_445749.1](#)

**RefSeq Size:** 1971 bp

**RefSeq ORF:** 1596 bp

**Locus ID:** 25630

**UniProt ID:** [P11980](#)

**Cytogenetics:** 8q24

**Gene Summary:** M1 and M2 isozymes of pyruvate kinase; catalyzes the conversion of ATP and pyruvate to ADP and phosphoenolpyruvate in glycolysis [RGD, Feb 2006]