

## Product datasheet for **RR203014**

### **Pklr (NM\_012624) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pklr (NM_012624) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pklr
Synonyms:	PK1; PKL; Pklg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203014 representing NM\_012624  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAAGGGCCAGCGGGATACCTTCGACGTGCGAGTGTGGCTCAACTGACCCAGGAGCTGGCCTGCTGCCT  
 TCTTCCAGCAGCAGCAACTGCCCGCAGCTATGGCGGACACCTTCCCTGGAACACCTCTGCCTTCTGGATAT  
 CGACTCACAGCCTGTGGCTGCTCGTAGCACCAGCATCATTGCCACCATTGGGCCAGCATCCCCTCTGTG  
 GACCGCTCAAGGAGATGATCAAAGCAGGGATGAACATTGCACGACTCAACTTCTCCCATGGCTCCCATG  
 AGTACCATGCAGAATCCATCGCCAACATCCGGGAGGCAACTGAGAGTTTTGCAACCTCCCCTCAGCTA  
 CAGACCTGTGGCCATCGCCCTGGACACCAAGGGACCTGAGATACGAACCGGAGTCTTGCAGGGGGTCCG  
 GAGTCGGAGGTGAAATGTGAAGGGCTCACAGGTGCTGGTGACGGTGGACCCGAAGTCCAGACAAGGG  
 GCGATGCAAAGACAGTGTGGGTGGACTACCACAATATCACCCGGTCTTGCAGTGGGGGCCGATCTA  
 CATTGACGACGGCTCATCTCCTTAGTGGTACAGAAAATCGGCCAGAGGGACTGGTGACAGAAGTGGAG  
 CACGGTGTATCTTGGGACGAGGAAGGGTGTGAACCTTGCCAAACACTGAGGTGGACCTGCCCGGGCTGT  
 CTGAGCAAGACCTTTTGGATCTGCGCTTCGGGGTGCAGCATAATGTGGACATCATCTTGGCTCCTTTGT  
 GCGGAAAGCCAGTGACGTGTTAGCAGTCCGGGATGCCCTGGGGCCAGAAGGACAGAACATCAAAATTATC  
 AGCAAAATCGAGAACCATGAAGGCGTGAAGAAGTTTGTGAAATCTAGAAGTGAGCGATGGCATCATGG  
 TGGCACGGGGTGACCTGGGCATTGAGATCCCTGCGGAGAAGGTTTTCTTGGCTCAGAAGATGATGATTGG  
 ACGCTGCAACCTGGCCGGCAAGCCTGTCGTTTGTGCCACACAGATGCTGGAGAGCATGATCACTAAGGCT  
 CGACCAACTCGGGCGGAGACAAGCGATGTGGCCAATGCCGTGCTGGATGGGGTACTGTATCATGCTGT  
 CCGGAGAGACCGCCAAGGGCAGTTTTCTGTGGAAGCTGTAATGATGCAACATGCGATTGCGCGGGAGGC  
 AGAGGCCGCTGTGTACCACCGCCAGTTGTTTTGAGGAGCTACGCCGGCAGCGCCGCTGAGCCGTGACCCA  
 ACTGAGGTCACTGCGATTGGAGCCGTGGAGGCTTCCTTCAAGTGTGTGCAGCAGCCATCATCGTCTGA  
 CGAAGACTGGCCGTTAGCCAGCTTCTATCTCAATACCGACCTCGGGCGGCTGTCATTGCTGTGACTCG  
 ATCTGCCAGGCTGCCGACAGGTCCACCTGTCCCGAGGAGTCTTCCCCTTGTCTACCCTGAGCCTCCA  
 GAGGCCATCTGGGAGATGATGTGGATCGAAGGGTCCAATTTGGCATTGAAAGTGGAAAGCTCCGTGGTT  
 TCCTCCGTGTGGGTGATCTGGTATTGTGGTGACAGGTGGCGGCTGGCTCTGGCTATACCAACATCAT  
 GCGGGTGTGAGCGTATCC

**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RR203014 representing NM\_012624  
 Red=Cloning site Green=Tags(s)

MEGPAGYLRRASVAQLTQELGTAFFQQQLPAAMADTFLEHLCLLDIDSQPVAARSTSIATIGPASRSV  
 DRKEMIKAGMNIARLNF SHGSHEYHAESIANIREATESFATSPLSYRPVAIALDTKGPEIRTGVLQGGP  
 ESEVEIVKGSQVLVTDPKFQTRGDAKTWVDYHNITRVVAVGGRIYIDDGLISLVVQKIGPEGLVTEVE  
 HGGILGSRKGVNLPNTEVDLPGLSEQDLLDLRFVQHNVDIIFASFVRKASDVLAVRDALGPEGQNIKII  
 SKIENHEGVKKFDEILEVSDGIMVARGDLGIEIPA EKVF LAQKMMIGRCNLAGKPVVCATQMLESMITKA  
 RPTRAETSDVANAVLDGADCIMLSGETAKGSFPVEAVMMQHAIA REAEAAVYHRQLFEELRRAAPLSRDP  
 TEVTAIGAVEASFKCAAAIIVLTKTGRSAQLLSQYRPRAAVIAVTRSAQAARQVHLSRGVFPLLYREPP  
 EAIWADDVDRRVQFGIESGKLRGFLRVGDLVIVVTGWRP GSGYTNIMRVL SVS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-Mlul



<b>ACCN:</b>	NM_012624
<b>ORF Size:</b>	1629 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_012624.3</a> , <a href="#">NP_036756.3</a>
<b>RefSeq Size:</b>	2922 bp
<b>RefSeq ORF:</b>	1632 bp
<b>Locus ID:</b>	24651
<b>UniProt ID:</b>	<a href="#">P12928</a>
<b>Cytogenetics:</b>	2q34
<b>MW:</b>	58.8 kDa
<b>Gene Summary:</b>	L-isozyme of pyruvate kinase; catalyzes the conversion of ATP and pyruvate to ADP and phosphoenolpyruvate in glycolysis [RGD, Feb 2006]