

## Product datasheet for **RR204722**

### Pir (NM\_001009474) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pir (NM\_001009474) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pir  
**Synonyms:** MGC109484  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR204722 representing NM\_001009474  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGTCCTCTAAAAAGGTTACTCTCTCCGTCCTCAGCCGGGAACAGTCAGAGGGGTTGGAGCACGGG  
TGCGCAGAAGCATTGGCGGACCTGAGTTGAAAATGCTGGATCCATTTTGTCTTTGATGAATTTAAAGG  
AGGAAGGCCGGGAGGATTCCTGATCATCCACACCGAGGATTTGAAACAGTATCTTATCTCTAGAAGT  
GGCAGCATGGCCCATGAAGACTTCTGTGGACATGTTGGTAAAATGAACCCAGGAGACCTACAGTGGATGA  
CTGCAGGACGAGGCATTCTACATGCTGAGATGCCCTGCTCAGAGGAGCCAGCCCATGGCTTACAGCTCTG  
GGTGAATTTGAAACGCTCAGAAAAGATGGTGGAGCCTCAGTACCAGGAAGTAAAAGTGAAGAGATCCCG  
AAACCCAGCAAAGATGGTGTGACAGTCGCTGTCATTTTCAGGAGAAGCCTTGGGAATAAAGTCAAGGTTT  
ACACTCGCACACCAACCTTATATCTGGACTTCAAGTTGGACCAAGGAGCAAAGCATTCCCAGCCTATTCC  
TAAAGGGTGGACAAGCTTCAATTTATACCATCTCTGGAGATGTGTATTTGGGCCTGATGATGCTCAACAA  
AAGATAGAACCGCATCGCACAGCAGTGTCTGGAGAAGGTGACACTGTCCAGTTGGAAAATAAGGATCCCA  
AAAGAAGTCATTTGTCTTAATTGCCGGGAGCCATTAAGAGAACCAGTTGTCCAACATGGTCCGTTTGT  
GATGAATACCAATGAGGAGATTTCTGAGGCCATTCTTGATTTTCAGGAATGCAAAAAATGGTTTTGAGGGG  
GCCAAAACCTGGAAGTCAAAGATTGAAAACCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204722 representing NM\_001009474  
 Red=Cloning site Green=Tags(s)

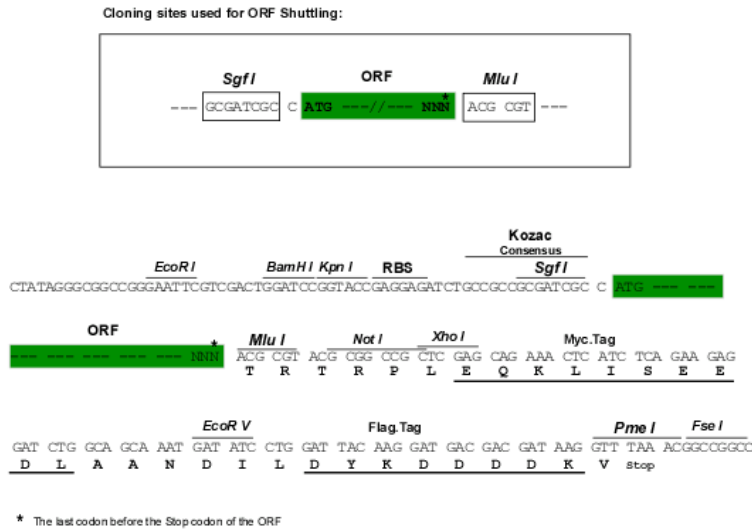
MASSKKVTL SVLSREQSEGVGARVRRSIGGPELKMLDPFLLFDEFKGGRPGGFPDHPHRGFETVSYLLEG  
 GSMAHEDFCGHVGMNPGDLQWMTAGRGILHAEMPCSEEPAGHLQLWVNLKRSEKMVEPQYQELKSEEIP  
 KPSKDGVTVAVISGEALGIKSKVYTRPTLYLDFKLDQGAKHSQIPKGWTSFIYITISGDVYIGPDDAQQ  
 KIEPHRTAVLGEEDTVQLENKDPKRSHFVLIAGEPLREPVVQHGPVFMNTNEEISEAILDFRNAKNGFEG  
 AKTWKSKIGNQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

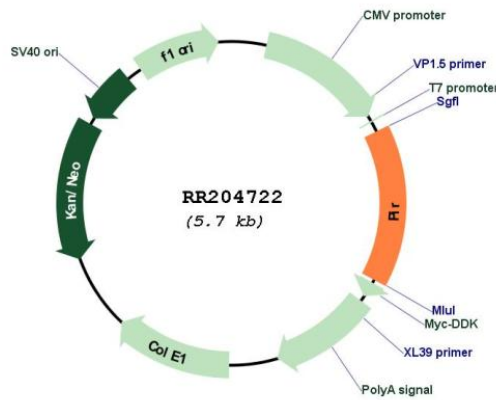
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001009474

ORF Size: 873 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_001009474.1</a> , <a href="#">NP_001009474.1</a>
<b>RefSeq Size:</b>	1537 bp
<b>RefSeq ORF:</b>	876 bp
<b>Locus ID:</b>	363465
<b>UniProt ID:</b>	<a href="#">Q5M827</a>
<b>Cytogenetics:</b>	Xq14
<b>MW:</b>	32.2 kDa
<b>Gene Summary:</b>	Transcriptional coregulator of NF-kappa-B which facilitates binding of NF-kappa-B proteins to target kappa-B genes in a redox-state-dependent manner. May be required for efficient terminal myeloid maturation of hematopoietic cells. Has quercetin 2,3-dioxygenase activity (in vitro) (By similarity).[UniProtKB/Swiss-Prot Function]