

## Product datasheet for MR203965

### Pir (NM\_027153) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pir (NM_027153) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pir
Synonyms:	2310042L19Rik; Pirnl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203965 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCCTCTAAAAAGGTTACTCTCTCAGTGCTCAGCCGGGAGCAGTCAGAGGGGTAGGAGCACGTG  
TGCGCAGAAGCATTGGCAGACCCGAGTTGAAAAATCTGGATCCATTTTACTGTTTGATGAATTTAAAGG  
AGGAAGGCCGGGAGGATTTCTGATCATCCACACCGAGGATTTGAAACAGTATCTTATCTTCTGGAAGGG  
GGCAGCATGGCCATGAAGACTTTGTGGACATGTTGGTAAAATGAACCCAGGAGACCTACAGTGGATGA  
CTGCAGGACGAGGCATTCTGCATGCTGAGATGCCCTGCTCAGAGGAGCCAGCTCATGGCTTGCAGCTGTG  
GGTGAATTTGAGACGCTCAGAAAAGATGGTGGCGCCTCAGTACCAGGAACTGAAAAGTGAAGAGATCCCC  
AAACCCACCAAAGATGGTGTGACAGTTGCTGTCATTTCCAGGAGAAGCCTTGGGAATAAAGTCGAAGGTTT  
ACACTCGCACACCAACCTTATATCTGGACTTCAAGTTGGACCAAGGAGCAAAAGCATTCCCAGCCTATTCC  
TAAAGGTTGGACAAGCTTCATTTATACCATCTCTGGAGATGTATATTTGGGCCTGATGATGCTCAACAA  
AAGATAGAACCACATCACACAGCAGTCTTGGAGAAGGTGACGCTGTCCAGTTGGAAAATAAGGACCCCA  
AAAGAAGCCATTTGTCTTAATTGCTGGGAGCCATTAAGAGAACCAGTTGTCCAACATGGTCCATTTGT  
GATGAATACCAATGAGGAAATTTCTCAGGCCATTCTTGATTTTCAGAAATGCAAAAAATGGTTTTGAGGGG  
GCCAGAACCCTGGAAGTCAAAGATTGAAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR203965 protein sequence  
Red=Cloning site Green=Tags(s)

MASSKKVTL SVLSREQSEGVGARVRRSIGRPELKNLDPFLLFDEFKGGPRGGFPDHPHRGFETVSYLLEG  
 GSMAHEDFCGHVGMNPGDLQWMTAGRGILHAEMPCSEEPAHGLQLWVNLRRSEKMPVAPQYQELKSEEIP  
 KPTKDGVTVAVISGEALGIKSKVYTRPTLYLDFKLDQGAKHSQIPKGWTSFIYITISGDVYIGPDDAQQ  
 KIEPHHTAVLGEQDAVQLENKDPKRSHFVLIAGEPLREPVVQHGPVFMNTNEEISQAILDFRNAKNGFEG  
 ARTWKSIGIN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_027153

**ORF Size:** 873 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_027153.1](#), [NM\\_027153.2](#), [NM\\_027153.3](#), [NP\\_081429.1](#)

**RefSeq Size:** 1601 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 69656

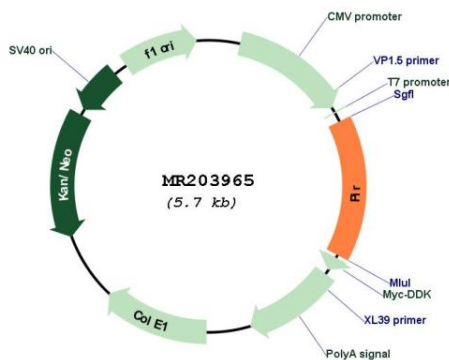
**UniProt ID:** [Q9D711](#)

**Cytogenetics:** X F5

**MW:** 32.1 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR203965