

Product datasheet for **MC226361**

Pir (NM_001301402) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pir (NM_001301402) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pir
Synonyms:	2310042L19Rik; Pirnl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226361 representing NM_001301402 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCCATGAAGACTTTTGTGGACATGTTGGTAAATGAACCCAGGAGACCTACAGTGGATGACTGCAG
GACGAGGCATTCTGCATGCTGAGATGCCCTGCTCAGAGGAGCCAGCTCATGGCTTGACAGCTGTGGGTGAA
TTTGAGACGCTCAGAAAAGATGGTGGCGCCTCAGTACCAGGAAGTGAAGAGATCCCGAAACCC
ACCAAAGATGGTGTGACAGTTGCTGTCAATTCAGGAGAAGCCTTGGAATAAAGTCGAAGTTTACTCTC
GCACACCAACCTTATATCTGGACTTCAAGTTGGACCAAGGAGCAAAGCATTCCCAGCCTATTCTAAAGG
GTGGACAAGCTTCATTTATACCATCTCTGAGATGTATATATTGGGCCTGATGATGCTCAACAAAAGATA
GAACCACATCACACAGCAGTCCTTGGAGAAGGTGACGCTGTCCAGTTGGAAAATAAGGACCCCAAAAGAA
GCCATTTTGTCTTAATTGCTGGGGAGCCATTAAGAGAACCAGTTGTCCAACATGGTCCATTTGTGATGAA
TACCAATGAGGAAATTTCTCAGGCCATTCTGATTTAGAAATGCAAAAATGGTTTTGAGGGGGCCAGA
ACCTGGAAGTCAAAGATTGAAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001301402
Insert Size:	657 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001301402.1, NP_001288331.1</u>
RefSeq Size:	1472 bp
RefSeq ORF:	657 bp
Locus ID:	69656
Cytogenetics:	X F5
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an internal exon in the 5' region, which results in translation initiation at a downstream in-frame start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>