

Product datasheet for **MR228572**

Pir (NM_001301402) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pir (NM_001301402) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pir
Synonyms:	2310042L19Rik; Pirnl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228572 representing NM_001301402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCATGAAGACTTTTGTGGACATGTTGGTAAAATGAACCCAGGAGACCTACAGTGGATGACTGCAG
GACGAGGCATTCTGCATGCTGAGATGCCCTGCTCAGAGGAGCCAGCTCATGGCTTGCAGCTGTGGGTGAA
TTTGAGACGCTCAGAAAAGATGGTGGCGCCTCAGTACCAGGAAGTAAAAGTGAAGAGATCCCGAAACCC
ACCAAAGATGGTGTGACAGTTGCTGTCAATTCAGGAGAAGCCTTGGAATAAAGTGAAGTTTACTACT
GCACACCAACCTTATATCTGGACTTCAAGTTGGACCAAGGAGCAAAGCATTCCCAGCCTATTCTAAAGG
GTGGACAAGCTTCATTTATACCATCTCTGGAGATGTATATATTGGGCCTGATGATGCTCAACAAAAGATA
GAACCACATCACACAGCAGTCCCTGGAGAAGGTGACGCTGTCCAGTTGGAAAATAAGGACCCCAAAAGAA
GCCATTTGTCTTAATTGCTGGGGAGCCATTAAGAGAACCAGTTGTCCAACATGGTCCATTTGTGATGAA
TACCAATGAGGAAATTTCTCAGGCCATTCTGATTTGAGAAATGCAAAAATGGTTTTGAGGGGGCCAGA
ACCTGGAAGTCAAAGATTGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228572 representing NM_001301402
 Red=Cloning site Green=Tags(s)

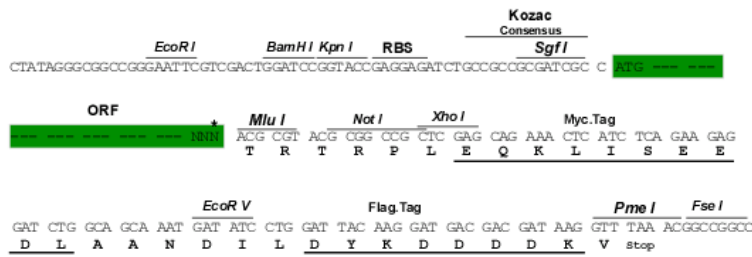
MAHEDFCGHVGKMNPGDLQWMTAGRGILHAEMPCSEEPAHGLQLWVNLRRSEKMAPQYQELKSEEIPKP
 TKDGVTVAVISGEALGIKSKVYTRPTLYLDFKLDQGAHKSQPIPKGWTSFIYTIISGDVYIGPDDAQKI
 EPHHTAVLGEQDAVQLENKDKPRSHFVLIAGEPLREPVVQHGPFVMTNNEEISQAILDFRNAKNGFEGAR
 TWKSKIGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

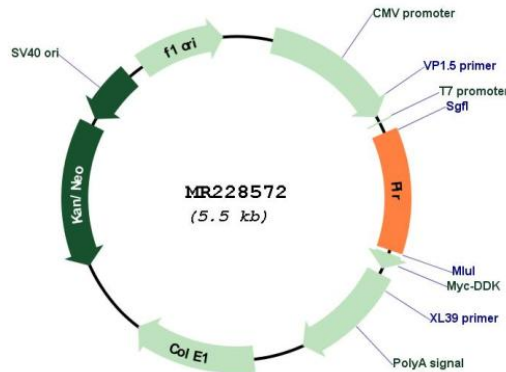
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001301402

ORF Size: 654 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:	<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.
RefSeq:	NM_001301402.1 , NP_001288331.1
RefSeq Size:	1472 bp
RefSeq ORF:	657 bp
Locus ID:	69656
Cytogenetics:	X F5
MW:	24.7 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]