

Product datasheet for **MG203965**

Pir (NM_027153) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pir (NM_027153) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pir
Synonyms: 2310042L19Rik; Pirnl
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203965 representing NM_027153
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCCTCTAAAAAGGTTACTCTCAGTGCTCAGCCGGGAGCAGTCAGAGGGGTAGGAGCACGTG
 TGCGCAGAAGCATTGGCAGACCCGAGTTGAAAAATCTGGATCCATTTTACTGTTTGATGAATTTAAAGG
 AGGAAGGCCGGGAGGATTTCTGATCATCCACACCGAGGATTTGAAACAGTATCTTATCTTCTGGAAGGG
 GGCAGCATGGCCATGAAGACTTTGTGGACATGTTGGTAAAATGAACCCAGGAGACCTACAGTGGATGA
 CTGCAGGACGAGGCATTCTGCATGCTGAGATGCCCTGCTCAGAGGAGCCAGCTCATGGCTTGCAGCTGTG
 GGTGAATTTGAGACGCTCAGAAAAGATGGTGGCGCCTCAGTACCAGGAACTGAAAAGTGAAGAGATCCCC
 AAACCCACCAAAGATGGTGTGACAGTTGCTGTCATTTCCAGGAGAAGCCTTGGGAATAAAGTCGAAGGTTT
 ACACTCGCACACCAACCTTATATCTGGACTTCAAGTTGGACCAAGGAGCAAAAGCATTCCCAGCCTATTCC
 TAAAGGGTGGACAAGCTTCATTTATACCATCTCTGGAGATGTATATTTGGGCCTGATGATGCTCAACAA
 AAGATAGAACCACATCACACAGCAGTCTTGGAGAAGGTGACGCTGTCCAGTTGGAAAATAAGGACCCCA
 AAAGAAGCCATTTGTCTTAATTGCTGGGAGCCATTAAGAGAACCAGTTGTCCAACATGGTCCATTTGT
 GATGAATACCAATGAGGAAATTTCTCAGGCCATTCTTGATTTTCAGAAATGCAAAAAATGGTTTTGAGGGG
 GCCAGAACCCTGGAAGTCAAAGATTGAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203965 representing NM_027153
 Red=Cloning site Green=Tags(s)

MASSKKVTL SVLSREQSEGVGARVRRS IGRPELKNLDPFLLFDEFKGGRPGGFPDHPHRGFETVSYLLEG
 GSM AHEDFCGHV GKM NPGDLQWMTAGRGILHAEMPCSEEP AHGLQLWVNLRRSEKMVAPQYQELKSEEIP
 KPTKDGVTVAVISGEALGIKSKVYTRPTLYLDFKLDQGAKHSQPIPKGWT SFIY TISGDVYIGPDDAQQ
 KIEPHHTAVLGE DAVQLENKDPKRSHFVLIAGEPLREP VVQHGP FVMNTNEEISQA ILDFRNAKNGFEG
 ARTW KSKI GN

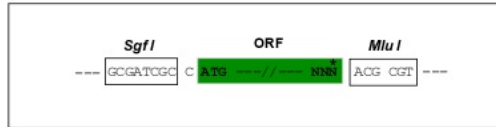
TRTRPLE - GFP Tag - V

Restriction Sites:

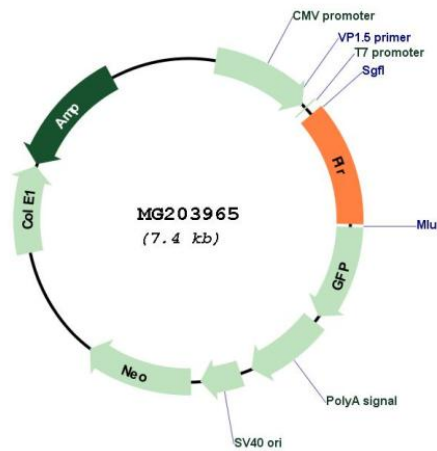
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_027153

ORF Size: 870 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_027153.2 , NP_081429.1
RefSeq Size:	1487 bp
RefSeq ORF:	873 bp
Locus ID:	69656
UniProt ID:	Q9D711
Cytogenetics:	X F5
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]