

Product datasheet for **MR225452**

Pirb (NM_011095) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pirb (NM_011095) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pirb
Synonyms:	Gp91; Lilrb3; LIR-3; PIR-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR225452 representing NM_011095
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCTGCACCTTCACAGCCCTGCTCCGTCTTGACTGACTCTGAGCCTCTGGATCCCAGTGCTGACAG
 GGTCCCTCCCTAAGCCTATCCTCAGAGTACAGCCAGACTCTGTGGTCTCCAGGAGGACTAAGGTGACCTT
 CTTGTGTGAAGAGACAATTGGAGCCAATGAGTACCGCCTCTATAAAGATGGAAGCTATATAAACCGTA
 ACAAAGAACAACAGAAGCCAGAAAACAAGGCTGAATTCTCATTCTCAAATGTAGACCTGAGTAATGCAG
 GTCAATATCGATGTTCTACAGCACCCAGTATAAATCATCAGGCTACAGTGACCTCTGGAGCTGGTGGT
 GACAGGACACTACTGGACACCCAGCCTTTAGCCCAAGCCAGCCCTGTGGTAACCTCAGGAGGGTATGTC
 ACCCTCCAGTGTGAGTCTGGCACAACGATCACAAGTTCTATTCTGACTGTAGAAGGACCACAGAAGCTCT
 CGTGGACACAAGACTCACAGTATAATTACTCTACAAGGAAGTACCACGCCCTGTTCTCTGTGGGCCCTGT
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 CTGTGATCACCTCAAAAAGCAATGACCATCTGGTGTGAGGGGAACCTGGATGCAGAAGTATATTTCT
 GCATAATGAGAAAAGCCAAAAACACAGAGCACACAGACCCTACAGGAGCCTGGGAACAAGGCAAGTTC
 TTCATCCCTTCTGTGACACTACAACATGCAGGGCAATATCGCTGTTATTGTTACGGCTCAGCTGGTGGT
 CACAGCCAGTGACACCTGGAGCTGGTGGTGACAGGAATCTATGAATACTATGAACCCAGGCTGTCAGT
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 GACAGTACCGAGCCCTGTTTATTATAGGACCCACAACCCCAACCCATACAGGGGCATTGAGATGTTACGG
 TTACTACAAGAATGCCCCACAGCTGTGGTCAGTACCTAGTGCTCTCCAACAAATACTCATCTCAGGGCTG
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 ATCTGCCAGTGCCCTGTGGAGCTCACAGTCTCAGGACCCATCGAAACCTCTACCCCGCCACCCACAATG
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 TCCTCTTCATCTTCATCTTCATTCTTCTTCGACGAAGACATCGGGGAAAATTGAGGAAAGATGTCCAGAA
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 CCCAACCCAGCTGCTGCCACCCAGGAAGAAAGCCTATATGCTTCAGTGGAGGACATGCAAACTGAGGATG
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 CTCCAGGCTCAGGAAGGCAGGACATGTCTACCTTCTGTATGTCAAGGGAACAACTGAACACAGAATAT
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 CAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225452 representing NM_011095
Red=Cloning site Green=Tags(s)

MSCTFTALLRLGLTSLWIPVL TGS LPKPILRVQPD SVVSRRTKV TFLCEETIGANEYRL YKDGKLYKTV
TKNKQKPENKA EFSF SNVDLSNAGQYRCSYSTQYKSSGYS D L LELVVTGHY WTPSLLAQASPVVTS GGYV
TLQCESWHNDHKFILTVEGPQKLSWTQDSQYNYSTRKYHALF SVGPVTPNQRWICRCYSYDRNRPYVWSP
PSESVELLVSGNLQKPTIKAEPGSVITSKRAMTIWCQGNLDAEVYFLHNEKSQKTQSTQTLQEPGNKGKF
FIPSVTLQHAGQYRCYCYSAGWSQPSDTLELVVTGIYEYEPRLSVLPSPVVTAGGNMTLHCASDFPYD
KFILTKEDKKFGNSLDTEHISSSGQYRALFIIGPTTPTHTGAFRCYGYK N A P Q L W S V P S A L Q Q I L I S G L
SKKPSLLTHQGHILDPG M T L T L Q C F S D I N Y D R F A L H K V G G A D I M Q H S S Q Q T D T G F S V A N F T L G Y V S S T G
GQYRCYGAHNLSSEWSASSEPLDILITGQLPLTPSLSVQPNHTVHSGETVSLLCWSMDSVDTFILSKEGS
AQQLRLKSKSHDQQSQA E F S M S A V T S H L S G T Y R C Y G A Q D S S F Y L L S S A S A P V E L T V S G P I E T S T P P P T M
S M P L G G L H M Y L K A L I G V S A F I L F L F I F I L L R R R H R G K F R K D V Q K E K D L Q L S S G A E E P I T R K G E L Q K R
P N P A A A T Q E E S L Y A S V E D M Q T E D G V E L N S W T P P E E D P Q G E T Y A Q V K P S R L R K A G H V S P S V M S R E Q L N T E Y
E Q A E E G Q G A N N Q A A E S G E S Q D V T Y A Q L C S R T L R Q G A A S P L S Q A G E A P E E P S V Y A T L A A A R P E A V P K D M E
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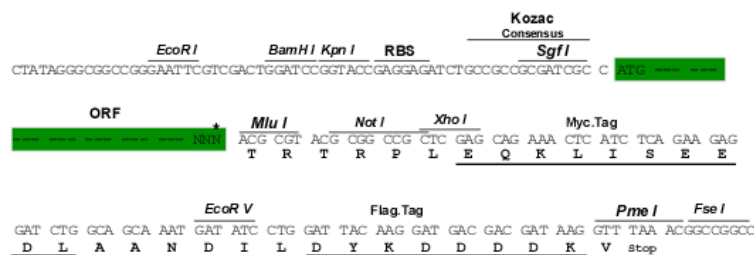
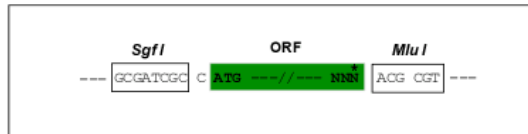
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1660_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

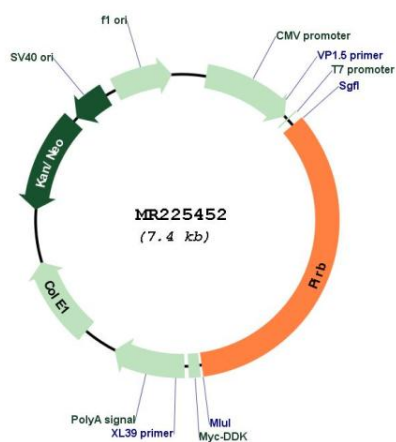
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_011095
ORF Size:	2523 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_011095.2 , NP_035225.2
RefSeq Size:	2728 bp
RefSeq ORF:	2526 bp
Locus ID:	18733
UniProt ID:	P97484
Cytogenetics:	7 2.14 cM
MW:	93.5 kDa
Gene Summary:	May act as receptor for class I MHC antigens. Becomes activated upon coligation of LILRB3 and immune receptors, such as FCGR2B and the B-cell receptor. Down-regulates antigen-induced B-cell activation by recruiting phosphatases to its immunoreceptor tyrosine-based inhibitor motifs (ITIM).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225452