

Product datasheet for **MC221998**

Pirb (NM_011095) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pirb (NM_011095) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC221998 representing NM_011095
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTGCACCTTCACAGCCCTGCTCCGTCTTGGACTGACTCTGAGCCTCTGGATCCCAGTGCTGACAG
 GGTCCCTCCCTAAGCCTATCCTCAGAGTACAGCCAGACTCTGTGGTCTCCAGGAGGACTAAGGTGACCTT
 CTTGTGTGAAGAGACAATTGGAGCCAATGAGTACCGCCTCTATAAAGATGGAAGCTATATAAAACCGTA
 ACAAAGAACAACAGAAGCCAGAAAACAAGGCTGAATTCTCATTCTCAAATGTAGACCTGAGTAATGCAG
 GTCAATATCGATGTTCTACAGCACCCAGTATAAATCATCAGGCTACAGTGACCTCTGGAGCTGGTGGT
 GACAGGACACTACTGGACACCCAGCCTTTAGCCCAAGCCAGCCCTGTGGTAACCTCAGGAGGGTATGTC
 ACCCTCCAGTGTGAGTCTGGCACAACGATCACAAGTTCTATTCTGACTGTAGAAGGACCACAGAAGCTCT
 CGTGGACACAAGACTCACAGTATAATTACTCTACAAGGAAGTACCACGCCCTGTTCTCTGTGGGCCCTGT
 GACCCCAACAGAGATGGATATGCAGATGTTACAGTTATGACAGGAACAGACCATATGTGTGGTCACTT
 CCAAGTGAATCCGTGGAGCTCCTGGTCTCAGGTAACTCTCAAAAACCAACCATCAAGGCTGAACAGGAT
 CTGTGATCACCTCAAAAAGCAATGACCATCTGGTGTGAGGGGAACCTGGATGCAGAAGTATATTTCT
 GCATAATGAGAAAAGCAAAAACACAGAGCACACAGACCCTACAGGAGCCTGGGAACAAGGCAAGTTC
 TTCATCCCTTCTGTGACACTACAACATGCAGGGCAATATCGCTGTTATTGTTACGGCTCAGCTGGTTGGT
 CACAGCCAGTGACACCTGGAGCTGGTGGTGACAGGAATCTATGAATACTATGAACCCAGGCTGTCAGT
 ACTGCCAGCCCTGTGGTGACAGCTGGAGGGAACATGACACTCCACTGTGCCTCAGACTTCCCTACGAT
 AAATTCATTCTCACCAAGGAAGATAAGAAATTCGGCAACTCACTGGACACAGAGCATATATCTTCTAGTG
 GACAGTACCGAGCCCTGTTTATTATAGGACCCACAACCCCAACCCATACAGGGGCATTGAGATGTTACGG
 TTACTACAAGAATGCCCCACAGCTGTGGTCAGTACCTAGTGCTCTCCAACAAATACTCATCTCAGGGCTG
 TCCAAGAAGCCCTCTCTGCTGACTCACCAAGGCCATATCCTGGACCTGGAATGACCCTACCCCTGCAGT
 GTTCTCTGACATCAACTATGACAGATTGCTCTGCACAAGGTGGGGGAGCTGACATCATGCAGCACTC
 TAGCCAGCAGACTGACACTGGCTTCTCTGTGGCAACTTCACACTGGGCTATGTGAGTAGCTCCACTGGA
 GGCCAATACAGATGCTATGGTGACACAACCTCTCCTCTGAGTGGTCAGCCTCCAGTGAGCCCTGGACA
 TCCTGATCACAGGACAGTCCCTCTCACTCCTTCCCTCTCAGTGCAGCCTAACACACAGTGCACCTCAGG
 AGAGACCGTGAGCCTGCTGTGTTGGTCAATGGACTCTGTGGATACTTTCATTCTGTCCAAGGAGGGATCA
 GCCCAGCAACCCCTGCGACTAAAATCAAAGTCCCATGATCAGCAGTCCCAGGCAGAATTCTCCATGAGTG
 CTGTGACCTCCCATCTCTCAGGCACCTACAGGTGCTATGGAGCTCAAGACTCATCTTCTACCTCTTGTC
 ATCTGCCAGTGCCCTGTGGAGCTCACAGTCTCAGGACCCATCGAAACCTCTACCCCGCCACCCACAATG
 TCCATGCCACTAGGTGGACTGCATATGTACCTGAAGGCTCTCATTGGAGTGTCTGTGGCCTTCATCTGT
 TCCTCTTCATCTTCATCTTCATTCTTCTTCGACGAAGACATCGGGGAAAATTGAGGAAAGATGTCCAGAA
 AGAGAAAGACTTGCAACTTTCTTCAGGAGCTGAAGAGCCCATAAACAGGAAAGGAGAACTCCAGAAGAGG
 CCCAACCCAGCTGCTGCCACCCAGGAAGAAAGCCTATATGCTTCAGTGGAGGACATGCAAACTGAGGATG
 GAGTGGAGCTGAACAGCTGGACACCACTGAGGAAGATCCCCAGGGAGAGACTTATGCCAGGTGAAACC
 CTCCAGGCTCAGGAAGGCAGGACATGTCTACCTTCTGTATGTCAAGGGAACAACCTGAACACAGAATAT
 GAACAAGCAGAAGAGGGCCAAGGAGCAACAATCAGGCTGCCGAATCTGGGGAGTCCCAGGATGTGACCT
 ATGCCAGCTGTGCAGCAGGACACTCAGACAGGGGCGAGCTGCATCTCCTCTCTCCAGGCAGGGGAAGC
 CCCAGAGGAGCCAGTGTATATGCTACTCTGGCGCTGCTCGTCCAGAGGCTGTTCCCAAGGACATGGAG
 CAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011095

Insert Size: 2526 bp

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).
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:	<u>NM_011095.2, NP_035225.2</u>
RefSeq Size:	2728 bp
RefSeq ORF:	2526 bp
Locus ID:	18733
UniProt ID:	<u>P97484</u>
Cytogenetics:	7 2.14 cM
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]