

## Product datasheet for MC212333

### Pilrb1 (NM\_133209) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pilrb1 (NM\_133209) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pilrb1  
**Synonyms:** Fdact; FDFACT; Pilrb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212333 representing NM\_133209  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTTTGCTGATCTCGCTTCTGGAGGGACTCCAGCCATGGCTCAGGTCCTGCTTCTGCTCTCATCAG  
GCTGTCTGCATGCTGAAATTCAGAAAGATACAACAGAAAAATGGCTTTGGGGTCAACCAACCTGAACG  
CTGCTCTGGAGTCCAGGGTGGCTCCATCGACATCCCCTTCTCTTCTATTCCCCTGGAAGTTGGCCAAG  
GATCCACAGATGAGCATAGCCTGGAAATGGAAGGATTTCCATGGGGAAGTCATCTACAACCTCCCTCGC  
CTTTCATACATGAGCACTTCAAGGGCCGGCTCATCCTGAACTGGACACAGGGTCAGACATCTGGAGTCTT  
CAGAATCTGAACTTGAAGGAGTCTGACCAAGCCCACTTTAGTCGAGTTAATCTGCAGTCGACAGAA  
GGCATGAAGTTGTGGCAGTCAATTCCTGGAACCAACTCAACGTGACCCAAGCACTCAACACCACCATGA  
GGAGCCCCTTTCATCGTCACCTCTGAATTCACCACAGCTGGCCTGGAGCACACAAGCGACCAGAGGAATCC  
TTCCTGATGAACCTGGGAGCCATGGTCACGATGCTCCTGGCTAAAGTTTGGTCATAGTCCTAGTCTAT  
GGATGGATGATCTTCTGAGGTGGAAGCAAAGGCCAGCACACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_133209  
**Insert Size:** 675 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133209.2</a> , <a href="#">NP_573472.2</a>
<b>RefSeq Size:</b>	1020 bp
<b>RefSeq ORF:</b>	675 bp
<b>Locus ID:</b>	170741
<b>UniProt ID:</b>	<a href="#">Q2YFS2</a>
<b>Cytogenetics:</b>	5 G2
<b>Gene Summary:</b>	Paired receptors consist of highly related activating and inhibitory receptors and are widely involved in the regulation of the immune system. PILRB is thought to act as a cellular signaling activating receptor that associates with ITAM-bearing adapter molecules on the cell surface. Seems to associate with DAP12 and is a receptor for CD99. May be involved in target cell recognition by natural killer cells and in activation of dendritic cells.[UniProtKB/Swiss-Prot Function]