

## Product datasheet for **MC219080**

### **Pex5l (NM\_001163516) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pex5l (NM_001163516) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pex5l
Synonyms:	1700016J08Rik; Pex2; pex5Rp; PXR2; TRIP8b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219080 representing NM\_001163516  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTACCAGGGACACATGCAGCTGGTGAATGAGCAACAAGAGAGCAGACCCTCCTGAGCCCTCCATCG  
 ACGACTTCTCTGCGAAACCAAATCGGAGGCCATTGCAAAGCCAGTGACATCCAACACAGCCGTGTGAC  
 CACTGGCTTGGATCTCCTTGACCTGAGTGAACCCGTCTCTCAAACCCAAACCAAAGCCAAGAAATCTGAG  
 CCCTCATCAAAGAGCTCGTCCCTCAAGAAGAAAGCTGATGGCTCCGACCTCATCAGTGCAGATGCTGAGC  
 AGAGAGCACAGGCTCTCCGAGGGCCAGAGACATCATCCTTAGATTTAGACATTCAAACACAAGTGGAAAA  
 ATGGGATGATGTCAAGTTTCACGGTGACCGAACAAGCAAGGGGCATCTCATGGCAGAAAGGAAATCATGC  
 TCTTCCAGAACTGGGTCAAAGAGCTTCTTTGGTCCGAGAACACAGATCTCAGCCAGAGCTGAGTACTG  
 GAAAAAGCGCCCTCAACTCTGAGTCGGCTCCGAGTTGGAACCTGTAGCTCCAGCACAGGCTCGGCTGAC  
 CAAAGAGCATCGCTGGGGAAGTGCCTGCTCTCCAGGAACCATTCCTTGAAGAGGAGTTTGAAGGGCA  
 AAAGCGGCAGTAGAGTCAGATACAGAGTTCTGGGATAAGATGCAGGCAGAAATGGGAGGAAATGGCCCGGA  
 GAACTGGATATCCGAGAACCAGGAAGCTCAGAACCAAGTCACCGTCTCGGCCAGTGAGAAGGGATATTA  
 CTTCCACACTGAAAAATCCCTTCAAGGACTGGCCTGGAGCATTGGAAGGCTTAAAAAGGTTGAAGGAA  
 GGGGACCTGCCTGTACCATCCTGTTTATGGAAGCTGCAATTCTCAGGACCCTGGAGACGCTGAGGCAT  
 GGCAGTTTCTTGGTATAACCCAGGCTGAGAATGAAAAATGAGCAGGCAGCTATTGTGCGCCCTCCAGAGGTG  
 CCTGGAGTTGCAGCCCAACAACCTGAAGGCTCTGATGGCCTTGGCTGTAAGTTACACCAACACCAGCCAC  
 CAGCAGGATGCTTGTGAGGCACTGAAGAAGCTGGATTAAGCAAAACCCAAAGTACAAGTACCTTGTGAAGA  
 ACAAGAAAAGGCTCTCCAGGCCTCACACGGCGGATGTCTAAATCCCAGTTGACAGCTCTGTTCTGGAAGG  
 AGTGAAGGAGTTGTACCTGGAAGCTGCCACCAAATGGTGACATGATTGACCCAGACCTGCAGACAGGT  
 CTGGGAGTTCTGTTCCACCTGAGTGGAGAGTTCATAGAGCAATCGATGATTTAATGCTGCCTTAACAG  
 TTCGGCCAGAGGATTACTCACTGTGGAACCGTCTTGGGGCAACCTTGGCAAATGGAGACCGCAGTGAGGA  
 AGCTGTGGAGGCCTACACGAGAGCACTGGAGATCCAGCCAGGTTTCATCCGCTCCAGATACAACCTGGGG  
 ATCAGTGCATCAACCTGGGTGCCTACAGAGAAGCGGTCAGCAACTTCTCACTGCCCTCAGCTTGAGGA  
 GGAAGAGCAGGAACCAGCAGCAAGTCCCTACCCTGCCATCTCCGGGAACATCTGGGCCGCCCTCAGGAT  
 TGCCCTGTGCTGATGGACCAGCCGGAGCTCTCCAGGCCCAACCTCGGTGACTTGGATGTCTCCTCTG  
 AGAGCTTCAATTTGGATCCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001163516
- Insert Size:** 1704 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.

**RefSeq:** [NM\\_001163516.3](#), [NP\\_001156988.1](#)

**RefSeq Size:** 4769 bp

**RefSeq ORF:** 1704 bp

**Locus ID:** 58869

**UniProt ID:** [Q8C437](#)

**Cytogenetics:** 3 A3

**Gene Summary:** Accessory subunit of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels, regulating their cell-surface expression and cyclic nucleotide dependence.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, initiates translation at an alternate start codon, and lacks a portion of the 5' coding region compared to variant 5. The encoded isoform (2) has a shorter and distinct N-terminus compared to isoform 5. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.