

## Product datasheet for **MC222537**

### **Ptchd3 (NM\_029049) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ptchd3 (NM_029049) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptchd3
Synonyms:	4930451E13Rik; 4933440L20Rik; RNDEu-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222537 representing NM\_029049  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCTCTCCAAGGTGGCGCCGGAGAGGAGGAGCAGGGGGAGTCACCGTCCAAGGTGGAGCTCGGAG  
 AGGCGGAGGAGCAGCGGGAGGCACCGTTGGAAGGCCAACTGGAAGCCGTGCCACTTGATGAGGCGGGCCC  
 TAGCTGGACCACCGGCCGCCACTGGAGCGCTTGCCACCCTGGGTGAGGAGCACCTCCGCCGCTCGC  
 TGCCACACCAACTGCTTGAAGCACCGCTGTCGCGGGGCTTCCAACGCTTTGGCGCCACAGTGGCGCGCA  
 ACCCTGGCTGTTTTGCTCGGGCTGCACTGCTGACGGCCTCCCTGGGCACCGTCTATTTCTACC  
 CAAGGAAAAGGAGAACCTGGAGGAGCAGTACACACCGATTGGCAGCCAGCCAAGGCAGAGCGGCGTTTT  
 GTGCAGGGTCATTTAGTACCAATGACACTTACCCTTCTCTGCCTCCAGGACCAGCTCCGAGACCACT  
 TTGCATCCATCTTGGTGGTGTCCCTCGCCAACCTACTGCTGGAGCCAGAAATATCAAAGAGGTGAGCAA  
 GCTGGACCAGGCGGTGCAGGCGCTGAAAGTTGTCCAGGAAAATGGAACGCAGATTCTATACCAAGAGGTG  
 TGTGCCAAGTACAAGACGCTGTGCGTGCCGCCAACCTCTGCTGTTTTCTGGCAGCATAACTCGTCGT  
 TGAACCTGTCGGACCTCACCTTCCCTATCCACAACACGCCACCCAGCTCATCTACTTAGCGGGTCTTT  
 TGGGGAAATGTTTTGGGTCAAATGACTGGAAAAGTCAACGACTCGTGGAGTCCCAGCAATGAGACTA  
 CTGTACTACCTCAAGACGGAGGACCCCGAAGACAGTGAACGTAGCCAGGCATGGCTGACTCACTTTCTTG  
 ACCATTTAATGACATGAAGAGCAGTCTGACCTGGAAGAGATAGAGGTGGTCTACTTTTCATCCCTTTC  
 CAGGCAGCTGGAGTTTGGAGCAACCTCCAAGACCGTGTACCCCTGTTTCACTTGGCATAACATTTAATC  
 ATACTCTTTCAGTTGTATCATGCTCCAGTTGGACTGTATAAGAAACAAGATGTGTGTGACAGCTTTTG  
 GAGTGTTTTCTGTTGCCATGTCAGTGGTGGTGGCTTTGGCCTGATGCTGCACCTTGGGGTCCCATTTC  
 GATCATAGTTGCAAATTCACATTTCTTATTCTTGGTGTGGTGTGATGACATGTTTATCATGATTTCT  
 GCCTGGCAGAAGACCAGCTCTCAGAGAGCATAAGAGAACGACTCTCAATTCATATTCAAAGGTGGCAG  
 TGTCTATTACAATCACCACCATCACTAATGTCCTTGTCTTCTATACAGGAATCACCAGCTCTTTCAGATC  
 TGTACAGTATTTTGCATCTATACAGGAACAACCTGCTCTTTTGTATTTTATAGTATCACCTGTTTT  
 GGAGCAGTTATGGCTCTGGATGGTAAAAGAGAAGTTGCATGGTCCCCTGGCTGGAAAAGCCAGACCAAA  
 AATATTCCTCACTAAAAAGTCTGCTGTGTCCTTCCGTTTCTTATGATAGACAAACATGGAGAAGATAA  
 CCATCCAATGAATTTGTTCTTTAGAGATATTTTGGTCCCTTTTCTTACCCTTCCAAAGCCAAGTTTATT  
 GTGGTGTGCTATACATTTTCTATATCATAAGCAGTATATATGGGTGCTTCCAAGTGCAAGAAGGGTTAG  
 ATCTTCGGAACCTGGCAAGTGTGATTCCTATATCACCCCTACTTCAATGTAGAGGAAGATTACTTTTC  
 AGATTATGGTCCAAGAGTTATGGTCATTGTTACTGAAAGTGTAACTACTGGGATAACGACGTAAGACAG  
 AAAGTGGACAAATGTATGACACAATTTGAAGAAAATGAGTATGTAGATAAAAATCTCACAGATTTTGGT  
 TGGAGGCATATATGCAATACATGAATAGCAGCGGAAATAATCCTAATGACAAGAAACCTTTATGAATAA  
 TATTGCAGGCTTTTTACAATTTTCCCCATTTTACATATGATATTAATATCTCCTCATCAAATGAAATC  
 ACTTCTTCCCAGGCTTTATCCAGATTGTAGATGTTTTCCTCAAGCAATAAGAAAAGAATGTTATTAA  
 AGTTACGAAGTATAGCTGAAAACCTGTGAAGTCCCTTAATGGTATATAACCAAGCATTATATATTTTGA  
 TCAGTATGCTGCAATAATAGAAAACACTGTTGAAATGTCATGATTGCATCAACAGCTATGTTCTATTGT  
 TCCTTATTGTTAATTCCTCATCCAGTGTGTTCCCTGTTGGTCACTTTTGTCTATTGCTTCTGTGATTGG  
 GAGTGACAGGTTTTATGGCATTCTGGAATGTTAATCTTGATTCCATATCCATGATTAATCTTGAATTTG  
 TATAGGGTTTTCTTTGATTTTTCTGCACACATCTCCTATGCATTTGTTTCCAGTACTGAGCCTTCAGTC  
 AACAAAAGTCTATTGAGGCATTATCTGTTAGGTTATCCAGTGTGCAAAGTGAATTTCAACAATAA  
 TAGGGGTGTGTTTTATCTGCAGCTAAAGCTTACATTTTCAGGACATTTTTAAGATTATGTTTCTTGT  
 TATGTTTTTTGGGGCTGCCCATGGCTGATTTTTATTCTGTATTCTTAACCTTTTTTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_029049

<b>Insert Size:</b>	2721 bp
<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>	<u><a href="#">NM_029049.1</a></u> , <u><a href="#">NP_083325.1</a></u>
<b>RefSeq Size:</b>	3238 bp
<b>RefSeq ORF:</b>	2721 bp
<b>Locus ID:</b>	74675
<b>UniProt ID:</b>	<u><a href="#">Q0EEE2</a></u>
<b>Cytogenetics:</b>	11 E2
<b>Gene Summary:</b>	May play a role in sperm development or sperm function.[UniProtKB/Swiss-Prot Function]