

Product datasheet for **MC220928**

Ptchd2 (BC070441) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptchd2 (BC070441) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptchd2
Synonyms:	Disp3; G630052C06Rik; RNDEu-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC070441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTCAGAGGATGATCCCCTGCTGCAGGATGTGTGGCTAGAAGAGGAACAGCCGGAAGATGAAGCCT
 GCAGGGGTATCCCAGGGCCAGGGCTGCAGTCCGGAGCACAGGGCTGCTGGCGACGCTGGACTGCCTTC
 CAGACCCCGACTTTGGGGTTCTGGAGCACTCTGGGCTGGGCCTTACCAACCCGTGCTGCGCAGGGCTG
 GTGCTGTTCTTGGCTGCAGCATCCCCATGGTGTGTCTGCCTTCATGTTCTCTACTACCCGCCCTGG
 ACATCGACATCTCTACAACGCCTTTGAGATCCGCAACCACGAGGCATCACAGCGCTTTGACGCCCTGGC
 CTTGGCCCTCAAGTCCCAGTTTGGATCTTGGGGCGCAACAGGCGCGACCTGGCGGACTTCACTCCGAG
 ACGTTGCAGCGCCTCATCTCAGAGCAGTTCAGCAGCTGCACCTGGGAATCATTCTCGACTGCATCCC
 GAGCTCCTCGCTCAGCACCGAGGGACACTGTTGCCACTCAGACATCAGCAGCCAATTCGAGTGAGCGACG
 TCGCCGGGAGGCTCCGTCCCGGAGGGTCAGGTAACCAATCAGAGCCGGGCCCGTGGGGCGCCTCGCGC
 TGGGATTAATCGCGCACCTATGTGAGCGCAACACCCAAACACACGCGCATTGGCGAATCGAGCTCATCT
 TTCTGGCTCGCGGAGACGCGGAGCGCAACATTTTACGAGCGAGCGTCTAGTCACGATCCACGAGATCGA
 GCGTAAAATCATGGACCACCCGGGTTTCCGGGAGTTTCTGCTGGAAGCCCATGAGGTGCTCAAGGACCTG
 CCGCTCGGATCCTATTCCTACTGCTCCCGCCTAGTTCTCTCATGACTTACTTTTTCCCAACCGAGAGGG
 GCGGCAAGATCTACTACGACGGCATGGGCCAGGACCTGGCGGATATCCGGGGCTCCCTAGAAGTGGCCAT
 GACTCACCTGAGTTCTACTGGTATGTGGATGAGGGGCTCTCCGTGGATAATCTGAAGAGCTCCCTCCTG
 CGCAGTGAGATCCTGTTTGGAGCGCCGCTTCCCACTACTACTCAGTGGATGATCGTGGGAGGAGCAGA
 GAGCCAAGTTTTCAGAGCTTCGTAGTACGATGTGGCCATGCTGCCAAGCAGTCCACTAGCAAAGTCCA
 GGTCCTCTATGGGGGACAGACCTCTTCGACTATGAGGTACGCCAACCTTCAATAACGACATGCTCCTT
 GCCTTCATTAGCAGTAGCTGCATCGCGGCCCTCGTCTACATCCTAACCTCCTGCTCAGTGTCTCTGTCT
 TCTTTGGGATCGCCAGCATCGGTCTCAGCTGCCTGGTGGCACTCTTTCTTACCACGTGGTCTTTGGCAT
 CCAGTACTTGGGATCCTCAATGGAGTGGCCGCTTTGTGATTGTGGCATTGGTGTGGACGATGTCTTT
 GTATTCATCAACACTTACCGCCAGGCCACCCACCTGGAAGACCCCAACTGCGGATGATCCACACCATCC
 AGACTGCAGGCAAAGCCACCTTCTCACCTCGCTGACCACCGCCGCGCTATGCGGCCAACGTCTTCTC
 CCAGATCCAGCTGTGCATGACTTCGGCTTGTTCATGTCCCTCATTGTGACCTGCTGCTGGCTGGCTGTG
 CTGTTACCATGCCTGCGGCCCTGGGCCTTGGAGCCTTACATGGCGCCCTGGAGAGCTCCTGCCAGA
 ACAGCTGCCACCAGAAGTGGCGCCGCAAGAGCTCCTTGCAATTTTCTGGGACCTGTTACGCGCTCCGGA
 GCGGGCTGGGGTGGCCCTGCTCAGGGTCCCCTCCCCTATCTGGATGATGATATCCCCTGTTGAATGTG
 GAGGATGAGCCAGCGTCCCTAGAGCTGGGAGATGTGCTACTGGTCTCTGTGCACTGTGAGGGTTGCAGC
 CCACCCCTGATGCAAACAGCAGGGGCCAGCTCCTCGCCAGCTGCAAGAGCTGCTGCACCACTGGGTCTT
 ATGGGCAGCCGTCAAGAGCCGCTGGGTGATCGTAGGGCTTTTCGCTCCATCCTTATCCTGTCCCTGGT
 TTCGCCAGCCGGCTCCGCCCTGCCAGCCGGGCCCACTCCTCTTCGCGCCGACACCAACATTCAGGTGC
 TACTGGACCTCAAGTACAACCTGAGCGCCGAGGGGATATCCTGCATCACCTGCTCAGTCTGTTCCAGGA
 GAAGCCCCACAGCCTGCAGAACAATGTGAGGACATCCCTGGAGAAGAAGAAGCGAGGTTCTGGGGTTTCC
 TGGGCCAGCCGCACTGAGACCACTGCACAGGAGTCCATGAGCACCCTGTACATCTCAAAGTGAAGAGCA
 AAGGCCACCCAGCGGTCTACCGCTCTCTCAATGCCAGCCTACCAGCACCTGGCAAGCTGTGTCCC
 TGGAGATGGAGAGGTGCCCTCCTCCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC070441
Insert Size: 2481 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:	<ol style="list-style-type: none">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:	<u>BC070441</u> , <u>AAH70441</u>
RefSeq Size:	5174 bp
RefSeq ORF:	2480 bp
Locus ID:	242748
Cytogenetics:	4 E2
Gene Summary:	Plays a role in neuronal proliferation and differentiation. Plays a role in the accumulation of cellular cholesterol. Involved in intracellular lipid droplet formation. May contribute to cholesterol homeostasis in neuronal cells.[UniProtKB/Swiss-Prot Function]