

Product datasheet for **MC220929**

Ptchd2 (BC072569) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptchd2 (BC072569) 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: >BC072569
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTCAGAGGATGATCCCCTGCTGCAGGATGTGTGGCTAGAAGAGGAACAGCCGGAAGATGAAGCCT
GCAGGGGTATCCCAGGGCCAGGGCTGCAGTCCGGAGCACAGGGCTGCTGGCGACGCTGGACTGCCTTC
CAGACCCCGACTTTGGGGTTCTGGAGCACTCTGGGCTGGGCCTTACCAACCCGTGCTGCGCAGGGCTG
GTGCTGTTCTTGGCTGCAGCATCCCCATGGTGTGTCTGCCTTCATGTTCTCTACTACCCGCCCTGG
ACATCGACATCTCTACAACGCCTTTGAGATCCGCAACCAGGAGCATCACAGCGCTTTGACGCCCTGGC
CTTGGCCCTCAAGTCCCAGTTTGGATCTTGGGGCGCAACAGGCGCGACCTGGCGGACTTCACTCCGAG
ACGTTGCAGCGCCTCATCTCAGAGCAGTTCAGCAGCTGCACCTGGGGAATCATTCTCGACTGCATCCC
GAGTCTCTCGCTCAGCACCGAGGGACACTGTTGCCACTCAGACATCAGCAGCCAATTCGAGTGAAGCAGC
TCGCCGGGAGGCTCCGTCCCGGAGGGTCAAGTAAACCAATCAGAGCCGGGCCCGTGGGGCGCCTCGCGC
TGGGATTAATCGCGCACCTATGTGAGCGCAACACCCAAACACACGCGCATTGGCGAATCGAGCTCATCT
TTCTGGCTCGCGGAGACGCGGAGCGCAACATTTTACGAGCGAGCGTCTAGTCACGATCCACGAGATCGA
GCGTAAAATCATGGACCACCCGGGTTTCCGGGAGTTTCTGCTGGAAGCCCATGAGGTGCTCAAGGACCTG
CCGCTCGGATCTATTCTACTGCTCCCGCCTAGTTCTCTCATGACTTACTTTTTCCACCGAGAGGG
GCGGCAAGATCTACTACGACGGCATGGGCCAGGACCTGGCGGATATCCGGGGCTCCCTAGAAGTGGCCAT
GACTCACCTGAGTTCTACTGGTATGTGGATGAGGGGCTCTCCGTGGATAATCTGAAGAGCTCCCTCCTG
CGCAGTGAGATCCTGTTGGAGCGCCGCTTCCCACTACTACTCAGTGGATGATCGTGGGAGGAGCAGA
GAGCCAAGTTTCAGAGCTTCGTAGTACAGTATGTGGCCATGCTGCCAAGCAGTCCCACTGCAAAAGTCCA
GGTCTCTATGGGGGACAGACCTCTTCGACTATGAGGTACGCCGAACCTTCAATAACGACATGCTCCTT
GCCTTCATTAGCAGTAGCTGCATCGCGGCCCTCGTCTACATCCTAACCTCCTGCTCAGTGTCTCTGTCT
TCTTTGGGATCGCCAGCATCGGTCTCAGCTGCCTGGTGGCACTCTTCTCTACCACGTGGTCTTTGGCAT
CCAGTACTTGGGATCCTCAATGGAGTGGCCGCTTTGTGATTGTGGCATTGGTGTGGACGATGTCTTT
GTATTCATCAACACTTACCGCCAGGCCACCCACCTGGAAGACCCCAACTGCGGATGATCCACACCATCC
AGACTGCAGGCAAAGCCACCTTCTCACCTCGCTGACCACCGCCGCGCTTATGCGGCCAACGTCTTCTC
CCAGATCCAGCTGTGCATGACTTCGGCTTGTTCATGTCCCTCATTGTGACCTGCTGCTGGCTGGCTGTG
CTGTTACCATGCCTGCGGCCCTGGGCCTTGGAGCCTTACATGGCGCCCTGGAGAGCTCCTGCCAGA
ACAGCTGCCACCAGAAGTGCAGCCGCAAGAGCTCCTTGCAATTTCTGGGACCTGTTACGCGCTCCGGA
GGGGGCTGGGGGTGGCCCTGCTCAGGGTCCCCTCCCCTATCTGGATGATGATATCCCCTGTTGAATGTG
GAGGATGAGCCAGCGTCCCTAGAGCTGGGAGATGTGCTACTGGTCTCTGTGCACTGTGAGGGTTGCAGC
CCACCCCTGATGCAAACAGCAGGGGCCAGCTCCTCGCCAGCTGCAAGAGCTGCTGCACCACTGGGTCTT
ATGGGCAGCCGTCAAGAGCCGCTGGGTGATCGTAGGGCTTTTCGCTCCATCCTTATCCTGTCCCTGGT
TTCGCCAGCCGGCTCCGCCCTGCCAGCCGGGCCCACTCCTCTCCGGCCGGACCAACATTCAAGTGC
TACTGGACCTCAAGTACAACCTGAGCGCCGAGGGGATATCCTGCATCACCTGCTCAGTCTGTTCCAGGA
GAAGCCCCACAGCCTGCAGAACAATGTGAGGACATCCCTGGAGAAGAAGAAGCGAGGTTCTGGGGTTTCC
TGGGCCAGCCGCACTGAGACCACTGCACAGGAGTCCATGAGCACCCTGTACATCTCAAAGTGAAGAGCA
AAGGCCACCCAGCGGTCTACCGCTCTCTCAATGCCAGCCTACCAGCACCTGGCAAGCTGTGTCCCT
TGGAGATGGAGAGGTGCCCTCCTCCAGGGCTGCTTACGGCGCGAGCCCTCCCGCAAGTGGATGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC072569
Insert Size: 2520 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:	BC072569 , AAH72569
RefSeq Size:	4939 bp
RefSeq ORF:	2519 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]