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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC072569
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTCAGAGGATGATCCCCTGCTGCAGGATGTGTGGCTAGAAGAGGAACAGCCGGAAGATGAAGCCT
GCAGGGGTATCCCCGGGCCAGGGCTGCAGTCCGGAGCACAGGGCTGCTGGCGACGCTGGACACTGCCTTC
CAGACCCCCGACTTTGGGGTTCTGGAGCACTCTGGGCTGGGCCTTCACCAACCCGTGCTGCGCAGGGCTG
GTGCTGTTCCTTGGCTGCAGCATCCCCATGGTGCTGTCTGCCTTCATGTTCCTCTACTACCCGCCCCTGG
ACATCGACATCTCCTACAACGCCTTTGAGATCCGCAACCACGAGGCATCACAGCGCTTTGACGCCCTGGC
CTTGGCCCTCAAGTCCCAGTTTGGATCTTGGGGGCGCAACAGGCGCGACCTGGCGGACTTCACCTCCGAG
ACGTTGCAGCGCCTCATCTCAGAGCAGCTTCAGCAGCTGCACCTGGGGAATCATTCTCGACCTGCATCCC
GAGCTCCTCGCTCAGCACCGAGGGACACTGTTGCCACTCAGACATCAGCAGCCAATTCGAGTGAGCGACG
TCGCCGGGAGGCTCCGTCCCCGGAGGGTCAGGTAACCAATCAGAGCCGGGCCCGTCGGGGCGCCTCGCGC
TGGGATTACTCGCGCACCTATGTGAGCGCCAACACCCAAACACACGCGCATTGGCGAATCGAGCTCATCT
TTCTGGCTCGCGGAGACGCGGAGCGCAACATTTTCACGAGCGAGCGTCTAGTCACGATCCACGAGATCGA
GCGTAAAATCATGGACCACCCGGGTTTCCGGGAGTTCTGCTGGAAGCCCCATGAGGTGCTCAAGGACCTG
CCGCTCGGATCCTATTCCTACTGCTCCCCGCCTAGTTCTCTCATGACTTACTTTTTCCCCACCGAGAGGG
GCGGCAAGATCTACTACGACGGCATGGGCCAGGACCTGGCGGATATCCGGGGCTCCCTAGAACTGGCCAT
GACTCACCCTGAGTTCTACTGGTATGTGGATGAGGGGCTCTCCGTGGATAATCTGAAGAGCTCCCTCCTG
CGCAGTGAGATCCTGTTTGGAGCGCCGCTTCCCAACTACTACTCAGTGGATGATCGCTGGGAGGAGCAGA
GAGCCAAGTTTCAGAGCTTCGTAGTCACGTATGTGGCCATGCTCGCCAAGCAGTCCACTAGCAAAGTCCA
GGTCCTCTATGGGGGGACAGACCTCTTCGACTATGAGGTACGCCGAACCTTCAATAACGACATGCTCCTT
GCCTTCATTAGCAGTAGCTGCATCGCGGCCCTCGTCTACATCCTAACCTCCTGCTCAGTGTTCCTGTCCT
TCTTTGGGATCGCCAGCATCGGTCTCAGCTGCCTGGTGGCACTCTTTCTCTACCACGTGGTCTTTGGCAT
CCAGTACTTGGGCATCCTCAATGGAGTGGCCGCCTTTGTGATTGTGGGCATTGGTGTGGACGATGTCTTT
GTATTCATCAACACTTACCGCCAGGCCACCCACCTGGAAGACCCCCAACTGCGGATGATCCACACCATCC
AGACTGCAGGCAAAGCCACCTTCTTCACCTCGCTGACCACCGCCGCCGCTTATGCGGCCAACGTCTTCTC
CCAGATCCCAGCTGTGCATGACTTCGGCTTGTTCATGTCCCTCATTGTGACCTGCTGCTGGCTGGCTGTG
CTGTTCACCATGCCTGCGGCCCTGGGCCTCTGGAGCCTCTACATGGCGCCCCTGGAGAGCTCCTGCCAGA
ACAGCTGCCACCAGAAGTGCGGCCGCAAGAGCTCCTTGCATTTTCCTGGGGACCTGTTCACGGCTCCGGA
GCGGGCTGGGGGTGGCCCTGCTCAGGGTCCCCTCCCCTATCTGGATGATGATATCCCCTTGTTGAATGTG
GAGGATGAGCCAGCGTCCCTAGAGCTGGGAGATGTGTCACTGGTCTCTGTGCACTGTGAGGGTTTGCAGC
CCACCCCTGATGCAAACAGCAGGGGCCAGCTCCTCGCCCAGCTGCAAGAGCTGCTGCACCACTGGGTCTT
ATGGGCAGCCGTCAAGAGCCGCTGGGTGATCGTAGGGCTTTTCGCCTCCATCCTTATCCTGTCCCTGGTG
TTCGCCAGCCGGCTCCGCCCTGCCAGCCGGGCCCCACTCCTCTTCCGGCCGGACACCAACATTCAGGTGC
TACTGGACCTCAAGTACAACCTGAGCGCCGAGGGGATATCCTGCATCACCTGCTCAGGTCTGTTCCAGGA
GAAGCCCCACAGCCTGCAGAACAATGTCAGGACATCCCTGGAGAAGAAGAAGCGAGGTTCTGGGGTTTCC
TGGGCCAGCCGCACTGAGACCACTGCACAGGAGTCCATGAGCACCGTGTACATCTCCAAAGTGAAGAGCA
AAGGCCACCCAGCGGTCTACCGGCTCTCTCTCAATGCCAGCCTACCAGCACCCTGGCAAGCTGTGTCCCC
TGGAGATGGAGAGGTGCCCTCCTTCCAGGGCTGCTTCAGGCGGCGAGCCCCTCCCGCAAGTGGATGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC072569

Insert Size: 2520 bp

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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:	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]

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