

Product datasheet for **MC201135**

Palm (BC015297) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Palm (BC015297) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Palm
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC015297
CACGAGCCACCCGGCCGCGCCCGGACAATACCCGGCGCGCTGGGGACGATGCCCGCCCGGTGCCGCC
CCGCGCCGCACAGCCCGGCCCGCCAGGCCCTAGAGTCGGCCCTGCCCGCGCTGCACCGCCACGGACCT
CGCGGGAGATGGAGGTCTGGCAACAGACACGGCGTCCCAGCAGGAGCGGCTTCAAGCCATCGTGAGAA
GCGTAGGAAGCAGGCAGAGATTGAGAGCAAGCGGAGACAACCTGGAGGATGACCGAAGACAGCTGCAGTAC
CTGAAGTCCAAGGCACTGAGGGAACGCTGGCTGCTGGAGGGGACACTATCCTCAGCCTCAGAGGGCGACG
AGGACATGAGAAACAGATGCAGGAGGATGAGCAGAAAGCCCGGGCCCTGGAGGAATCCATCACCAGGCT
CGAGAAAAGAGATCGATGTTCTGGAGTTTGGAGAGTCAGCCCGAGCTGCCTCAAAGGAGAATTCAGCAGCC
CCCAGCCAGGCCGCGCCAGTCTGCAAGCCAGCCAAGGAGGAGCAAAAAGTCAGAAACCTTGGTGAACG
CTCAGCAGACTCCGTTGGGTACCCAAAAGAGAATCGCACGTCCACACCGGTGCGGAGTCCAGGGGATC
CACAATGATGAAAGCAGTGGTCCATGCCGTGGACGGCATCGTGAGAACGGGATCCAGCCTTAAGTTCC
TCCGAGGTGGACGAACCTATTACAAGGCCGATGAGGTCACTGAGCGAGGCAGGTTCCACAGCTGGGC
CAGCGGAGCTCGGGACTCGCAGAGGATGTCACCAGGACCACCGCTCCAGAAGGGAGATCACAGGAGT
TGAGGCTCAACCAGGAGAGGCCACATCAGGCCACCAGGCATCCAGCCCGGTGAGGAGCCCCGGTACC
ATGGTCTTCATGGGTTATCAGAACGTGGAAGATGAAGCAGAAACCAAGAAGGTAAGTGGGCTGCAGGACA
CCATCAAGGCTGAAGTGGTATTGAAGACGCGGCCACGCCAGGGAGCCCGACCTCTCAATGGCAG
CGCTGCTGAGTCCCGCCACCAAGGAGGAGAACCAGACGGGGCCACGACCACGCCAGCGACACCCAG
GATCTTGACATGAAGAAGCCTCGCTGTAGATGTTGTTCTGTATGTGAGCCGTGCGGGCACCCCTAGTCCC
CGGTCCCCGTCCTATGCTCCACACTCAAACCCAGCAGCCCGGCCCTCCCGGGCGCTGCCACCCTCACC
CTCCGCTCACAGGCCAGACAGTGTGTGATCCCTATGCACCTCGAGTCTCGGGTGGGGGGTGTCTG
CCCGTACCACACTCCACTCACCCGAACCTCTGAGCCGTGGGTACCCCTTGGTGAGAGACAGGCCA
GCCCATATCAGCCCTTAAGAATGGGGACCCCTCAGTCCAGGTACAGCAGGTTTACACAGGCGGCTTA
TGCCACCGTGGTCCCAGCCTGGTGTCCCCTTGCCGCCAGGCCAGCCTGTCTGTGCCTTATCGTTACT
TTTGGGGAGTCTTCGAGGGGACCAGAAAGGGTCTCCCTGGCCAAGGCGCCAGCGACCTAATGTGGGCAGG
TGGAGTGAGGCCACAGTCTTTGGGACTCAAAGTCTTGAAGTCTAGGGAGGAGGATGGGCACCTGTGG
ATCCCCTCCCATAGGTAGCAGAGCTCAAAGCAGGGGAACTCTTACCAGGGGATAGAACAATCACCCGCA
GGATGGAGTCAATTGTTGGCCAGCCAAGCCACTCCCTGTCTGAGTCCCACCCCAACCCACCATGCACA
CACTGGGCCCTTCTTCTGGTGTAAATTTGGGAGCTTTGGGGTCACTCTGCCCTTCTCTAGTTGGT
TTGGACCAGGGTCTGGGTTTCCACATACCCCATACCTAGAAGTCAGTGGGTATGTCTGCCAGCGCC
ACAAAACCTAGCATATCCAGGCAGTTTAGGCTGCTCCACACACTTTGGGTGGGAGTAAGGGACCCCC
CCCCATCTGCCACCTGGCCTGACGGGAGCTGGCAGAGGGTACCACCTTCGGGACGGCAGCAGTAGCC
ACTTTGGTCCCCAGAGGACAACCTGCACACAGGAGTGAAGTCAAAGTCAAAGGACCACGCTGGTCTA
GGTCCCTTCTTGGGACCCAGCCTGGTGTGCAGCAGGGTGCAGGGCCTCTGCCGGCCCCGCTACTAC
CCGCAGCTACAGTAGGGGCTCAAGCAGAGGCCACGGGGTCTGTGTCTGTCTTCCCGTGGCCTGGAGGA
GAGGCGCACTTTCTGAGGGTGAGCTATGGCCGTGGTCAATGGCACCCCGTCTTCTCTCTCTTTGAGTC
TGCTGAGTTCCTCAAGCCCTGAGCCTCGGCTGAAGTGCCTTGTGCCCTTCTGCTTTTGGAGTGTG
GCAAGGCCCGCCCTTACCCCCATGTTCTTGAAGTTCCTCCAGAGAAACAAATTAATAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC015297

Insert Size: 1020 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: [BC015297](#), [AAH15297](#)

RefSeq Size: 2519 bp

RefSeq ORF: 1020 bp

Locus ID: 18483

Cytogenetics: 10 39.72 cM

Gene Summary: Involved in plasma membrane dynamics and cell process formation. Isoform 1 and isoform 2 are necessary for axonal and dendritic filopodia induction, for dendritic spine maturation and synapse formation in a palmitoylation-dependent manner.[UniProtKB/Swiss-Prot Function]