

Product datasheet for MC225131

Pcm1 (NM_023662) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcm1 (NM_023662) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pcm1
Synonyms: 2600002H09Rik; 9430077F19Rik; C030044G17Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225131 representing NM_023662
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCACAGGAGGAGGTCTTTTGAAGAAGTCATGCATGATCAGGACTTACAAACTGGAGCAATGACA
 GTGTGGATGACCGACTCAACAATATGGAGTGGGTGGCCAACAGAAGAAGCCAATAGATCATCAGAAAA
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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_023662
- Insert Size:** 6078 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:** [NM_023662.3](#), [NP_076151.2](#)
- RefSeq Size:** 8398 bp
- RefSeq ORF:** 6078 bp
- Locus ID:** 18536
- UniProt ID:** [Q9R0L6](#)
- Cytogenetics:** 8 23.89 cM
- Gene Summary:** Required for centrosome assembly and function (PubMed:12112146). Essential for the correct localization of several centrosomal proteins including CEP250, CETN3, PCNT and NEK2 (By similarity). Required to anchor microtubules to the centrosome (By similarity). Involved in the biogenesis of cilia (By similarity).[UniProtKB/Swiss-Prot Function]

