

Product datasheet for MC206206

Pcaf (BC082581) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcaf (BC082581) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pcaf
Synonyms:	A930006P13Rik; AI461839; AW536563; p/CAF; Pcaf
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC082581

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GACAGTCGGGGCGGCATGGCCGAGGCTGGCGGGGCCGGTCCCCAGCACTGCCTCCCGGCCCCCGCAGC
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TACTGGTACAAAATAGTTTTAAATATATTTTTGAAAAGCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAA
    
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- Restriction Sites:** Ascl-NotI
- ACCN:** BC082581
- Insert Size:** 2442 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: [BC082581](#), [AAH82581](#)

RefSeq Size: 4344 bp

RefSeq ORF: 2442 bp

Locus ID: 18519

Cytogenetics: 17 27.86 cM

Gene Summary: Functions as a histone acetyltransferase (HAT) to promote transcriptional activation. Has significant histone acetyltransferase activity with core histones (H3 and H4), and also with nucleosome core particles. Also acetylates non-histone proteins, such as ACLY, PLK4 and TBX5. Inhibits cell-cycle progression and counteracts the mitogenic activity of the adenoviral oncoprotein E1A. Acts as a circadian transcriptional coactivator which enhances the activity of the circadian transcriptional activators: NPAS2-ARNTL/BMAL1 and CLOCK-ARNTL/BMAL1 heterodimers. Involved in heart and limb development by mediating acetylation of TBX5, acetylation regulating nucleocytoplasmic shuttling of TBX5. Acts as a negative regulator of centrosome amplification by mediating acetylation of PLK4. Also acetylates spermidine (By similarity).[UniProtKB/Swiss-Prot Function]