

## Product datasheet for MC205369

### Pclaf (NM\_026515) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pclaf (NM_026515) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pclaf
Synonyms:	2810417H13Rik; AA409629; mKIAA0101; Ns5apt9; Ns5atp9; p15(PAF); Paf; PAF15
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC021413 CCACGCGTCCGCAGTTGGGGTGACGGTGAAAGTTGTCTCTTCTTGTGTGAACATGGTGCGGACCAAAGCA AACTACGTTCCAGGAGCCTACAGAAAAGCGGTGGCTTCTCAAGCCCCTAGGAAGGTGCTTGGCTCCTCCA CCTTTGTACCAATTCTTCAAGTTCGTCGAGAAAAGCTGAAAATAAGTATGCAGGAGGGAACCCAGTCTG TGTGCGCCCAACTCCAAGTGGCAAAAAGGCATCGGGGAATTCTCAGGCTGTCCCTAAAAGAGTCTAAA AAGGAAAACCAGGCTCCTGAAGAAGCAGGAACCGTGGCTTAGGAAAAGCAAAGAGAAAAGCTTGCCTT TGCAACCTGATCAGAGATGATGAAAATGAATAGAATTTACTCATCTGAATAATGTCTCCGGTTTTTCT ACATTACTTACATGTAATTTGGGTAATGAGTTTGTCCAATTGGCTTGTGAGGGGAAAAAATTAGGC TAAAATTTAGCCATTCAAAGAAACCAGATGTAAGAATGGAGAATTTTTATAATTTGTAATTTGAATTG CATGCTTACACTTATGCCCTATGCTCCTCTTTCTTACCTGTTAAAGCTTCTTCTAAAGCCAACGTTC CTGGCACTCTACTTGCTACTCTACGGTCTTTGCTTAGATTTTTGTACTGATGCCATTTTATGGGCAGTGA TTATGGAAATGACGCCATATTGTTATGGCATGTTTGTCTTAAAAATTTGACTTAGGCTGGGTGTGGTGGC GCACGCCTTTAATCTTTAAGAGTGAGTTCCAGGTGAGCCAGGGCTATACAGAGAAACCCTGTCTCGAAAA ACCAAAAAAAAAAAAAAAAAATTTGACTTAGTCTTTCTTACATTAATAATTTCAATATTACCTAAAAAAAAAAAA AAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_026515
Insert Size:	333 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).



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**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:** [BC021413](#), [AAH21413](#)

**RefSeq Size:** 917 bp

**RefSeq ORF:** 333 bp

**Locus ID:** 68026

**UniProt ID:** [Q9CQX4](#)

**Cytogenetics:** 9 C

**Gene Summary:** PCNA-binding protein that acts as a regulator of DNA repair during DNA replication. Following DNA damage, the interaction with PCNA is disrupted, facilitating the interaction between monoubiquitinated PCNA and the translesion DNA synthesis DNA polymerase eta (POLH) at stalled replisomes, facilitating the bypass of replication-fork-blocking lesions. Also acts as a regulator of centrosome number (By similarity).[UniProtKB/Swiss-Prot Function]