

## Product datasheet for **MR200414**

### Pclaf (NM\_026515) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pclaf (NM\_026515) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Pclaf  
**Synonyms:** 2810417H13Rik; AA409629; mKIAA0101; Ns5atp9; Ns5atp9; p15(PAF); Paf; PAF15  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR200414 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGCGGACCAAAGCAAACACTACGTTCCAGGAGCCTACAGAAAAGCGGTGGCTTCTCAAGCCCCTAGGA  
 AGGTGCTTGGCTCCTCCACCTTTGTACCAATTCTCAAGTTCGTCGAGAAAAGCTGAAAATAAGTATGC  
 AGGAGGGAACCCAGTCTGTGTGCGCCCACTCCAAGTGGCAAAAAGGCATCGGGGAATTCTTCAGGCTG  
 TCCCCTAAAGAGTCTAAAAGGAAAACCAGGCTCCTGAAGAAGCAGGAACCAAGTGGCTTAGGAAAAGCAA  
 AGAGAAAAGCTTGTCTTTGCAACCTGATCACAGAGATGATGAAAATGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200414 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MVRTKANYVPGAYRKAVASQAPRKVLGSSTFVTNSSSSSRKAENKYAGGNPVCVRPTPKWQKGIGEFFRL  
 SPKESKKNQAPEEAGTSGLGKAKRKACPLQPDHRDDENE

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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Cloning Scheme:



ACCN: NM\_026515

ORF Size: 333 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_026515.1](#), [NM\\_026515.2](#), [NP\\_080791.2](#)

RefSeq Size: 2387 bp

RefSeq ORF: 333 bp

Locus ID: 68026

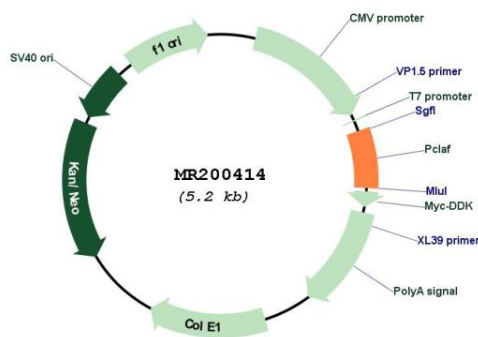
UniProt ID: [Q9CQX4](#)

Cytogenetics: 9 C

MW: 12 kDa

**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]

**Product images:**



Circular map for MR200414