

Product datasheet for **SC114891**

PCLAF (NM_014736) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCLAF (NM_014736) Human Untagged Clone
Tag:	Tag Free
Symbol:	PCLAF
Synonyms:	KIAA0101; L5; NS5ATP9; OEATC; OEATC-1; OEATC1; p15(PAF); p15/PAF; p15PAF; PAF; PAF15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_014736 edited
 ATGGTGGGACTAAAGCAGACAGTGTTCAGGCACTTACAGAAAAGTGGTGGCTGCTCGA
 GCCCCAGAAAAGGTGCTTGGTTCTCCACCTCTGCCACTAATTCGACATCAGTTTCATCG
 AGGAAAAGCTGAAAATAAATATGCAGGAGGAACCCCGTTTGCCTGCGCCCACTCCCAAG
 TGGCAAAAAGGAATTGGAGAATCTTTAGGTTGTCCCCTAAAGATTCTGAAAAGAGAAT
 CAGATTCTGAAGAGGCAGGAAGCAGTGGCTTAGGAAAAGCAAAGAGAAAAGCATGTCCT
 TTGCAACCTGATCACACAAATGATGAAAAGAATAG

5' Read Nucleotide Sequence: >OriGene 5' read for NM_014736 unedited
 AGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGGTCAGTTCGT
 TCTCTCCTCTCCTCTCTTCTTGTGTTGAACATGGTGGGACTAAAGCAGACAGTGTCCAG
 GCCTTACAGAAAAGTGGTGGCTGCTCGAGCCCCAGAAAAGGTGCTTGGTTCTCCACCT
 CTGCCACTAATTCGACATCAGTTTCATCGAGGAAAGCTGAAAATAAATATGCAGGAGGA
 ACCCCGTTTGCCTGCGCCCACTCCCAAGTGGCAAAAAGGAATTGGAGAATCTTTAGGT
 TGTCCCCTAAAGATTCTGAAAAGAGAATCAGATTCTGAAGAGGCAGGAAGCAGTGGCT
 TAGGAAAAGCAAAGAGAAAAGCATGTCCTTTGCAACCTGATCACACAAATGATGAAAAG
 AATAGAATTTCTCATTCTTTGAATAACGTCTCCTTGTGTTACCCTGGTATTCTAGAA
 TGTAATTTACATAAATGTGTTTCCAATTAGCTTTGTGAACAGGCATTTAATTTAA
 AAATTTAGGTTTAAATTTAGATGTTCAAAAGTAGTTGTGAAATTTGAGAAATTTGAAAG
 TAATTTAGGTAACCTAGCTTAGTATTCAATATAATGCATTGTTTGGTTTCTTTACCAA
 TTAAGTGTCTAGTTCTTGTCTAAAATCAAGTCATTGCATTGTGTTCTAATTACAAGTATG
 TGTATTTGAGATTTGCTTAGATTGTGTACTGCTGCCATNTTATTGGTGTGTTGATTATT
 GGAATGGTGCCATATTGCACTCCTTCTACTGCTNTAAAAGCAGAGTTAGATTNTGCAC
 ATTAATAATTCAGTATTAATTAATAAAAAAAAAAAAAAAAACTCGACTCTAGATGCGGCNCGCGT
 CATAGCTGTTTCTGACAGACCCGGTGGCATCCTGTGACCCTCCAGTGTCTCTGGCCCT
 GNAGTGCT



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014736 unedited AAACCAGGAGGGGAANNAANAAAAANATANNNTAACCCCTTTGACTTTGNCACGCGGNC CGCATACNANGATCGAGTTTTTTTTTTTTTTTTTAATTAATACCTGATTTTTTAATGTG CAAAAATCTAACTCTGCTTTTTAAAGCAAGTAGAAGGAGTGACAATATGGCACCATTCCA ATAATCAAACACCAATAAAAATGGCAGCAGTACAACAATCTAAGCAAATCTCAAATACAA CATACTTGTAATTAGAACACAATGCAATGACTTGATTTTAGCAAGAAGTACACACTTAAT TTGGTAAAAGAAACCAACAATGCATTATATTGAATACTAAGCTAAGTTACCATAATTAG TCTTACAATTCTCAAATTTTCACAACTACTTTTGAACATCTAAATTTAAACCTAAATTTT TTAATTAATGCCTGTTCAACAAAGCTAATTGGAACAAACACATTTATGTAAATTTACAT TCTAGAATACCAGGGTAAACAAGGAGACGTTATTCAAAGATGAATGAGAAAGTTCTATTCT TTTTTCATCATTGTGTGATCAGGTTGCAAAGGACATGCTTTTCTTTGCTTTTCTCTAA GCCACTGCTTCTGCCTCTTTCAGGAATCTGATTCTTTTTTTCAGAACTTTTAGGGGACAA CCTAAAGAATTCTCCAATTTCTTTTGGCACTTGGGAGTTGGGCGCACGCAAACGNGTT CCCCTCCTGCATATTTATTTTCAGCTTTTCTCCATGAAACTGATGTCAAATTAATGGCAC AAGTTGAAAGAACCAACACCTTTTCTGGGGCTTGAGCAACCACCACTTTTTTGTAGGTG CCTGGAACACTGTTTTGTTTTATTCCGCACCTGTTTCAACCAGAAAGAAAGGAAAGGGGA AAACCACCTGACTGTTGCCGAATTCGGCCCCCTATAAGGATCCTAATACCAAATTTGT ACGGTTACTTAAAGAGT
Restriction Sites:	NotI-NotI
ACCN:	NM_014736
Insert Size:	880 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:	<ol style="list-style-type: none"> 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:	<u>NM_014736.4</u> , <u>NP_055551.1</u>
RefSeq Size:	1508 bp
RefSeq ORF:	336 bp
Locus ID:	9768
UniProt ID:	<u>Q15004</u>
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome

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.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).