

Product datasheet for **RC216104**

PCLAF (NM_001029989) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PCLAF (NM_001029989) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PCLAF
Synonyms: KIAA0101; L5; NS5ATP9; OEATC; OEATC-1; OEATC1; p15(PAF); p15/PAF; p15PAF; PAF; PAF15
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC216104 representing NM_001029989
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTGCGGACTAAAGCAGACAGTGTTCAGGCCTTACAGAAAAGTGGTGGCTGCTCGAGCCCCAGAA
AGGTGCTTGGTTCTTCCACCTCTGCCACTAATTCGACATCAGTTTCATCGAGGAAAGAGCATGTCCTTTG
CAACCTGATCACACAAATGATGAAAAAGAATAGAAGTTTCTCATTTCATCTTTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC216104 representing NM_001029989
Red=Cloning site **Green**=Tags(s)
MVRTKADSVPGTYRKVVAARAPRKVLGSSTSATNSTSVSSRKEHVLNLTQMMKKNRTFSFIFE
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

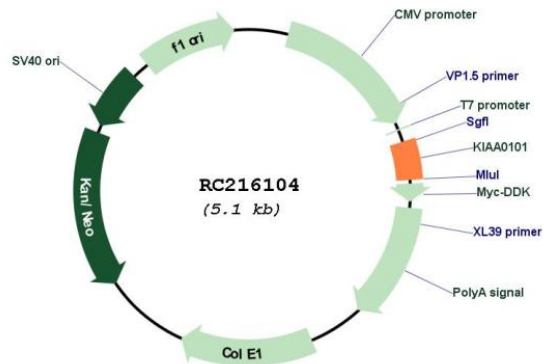


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001029989
 ORF Size: 195 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:	<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:	NM_001029989.3
RefSeq Size:	1345 bp
RefSeq ORF:	198 bp
Locus ID:	9768
UniProt ID:	Q15004
Cytogenetics:	15q22.31
Protein Families:	Druggable Genome
MW:	7 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.[UniProtKB/Swiss-Prot Function]