

Product datasheet for **RG200694**

PCLAF (NM_014736) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCLAF (NM_014736) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PCLAF
Synonyms:	KIAA0101; L5; NS5ATP9; OEATC; OEATC-1; OEATC1; p15(PAF); p15/PAF; p15PAF; PAF; PAF15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200694 representing NM_014736 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCGGACTAAAGCAGACAGTGTTCAGGCACCTACAGAAAAGTGGTGGCTGCTCGAGCCCCAGAA
 AGGTGCTTGGTTCTTCCACCTCTGCCACTAATTCGACATCAGTTTCATCGAGGAAAGCTGAAAATAAATA
 TGCAGGAGGGAACCCCGTTTTCGTCGCGCCCACTCCCAAGTGGCAAAAAGGAATTGGAGAATTCTTTAGG
 TTGTCCCCTAAAGATTCTGAAAAAGAGAATCAGATTCTGAAGAGGCAGGAAGCAGTGGCTTAGGAAAAG
 CAAAGAGAAAAGCATGTCCTTTGCAACCTGATCACAAATGATGAAAAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

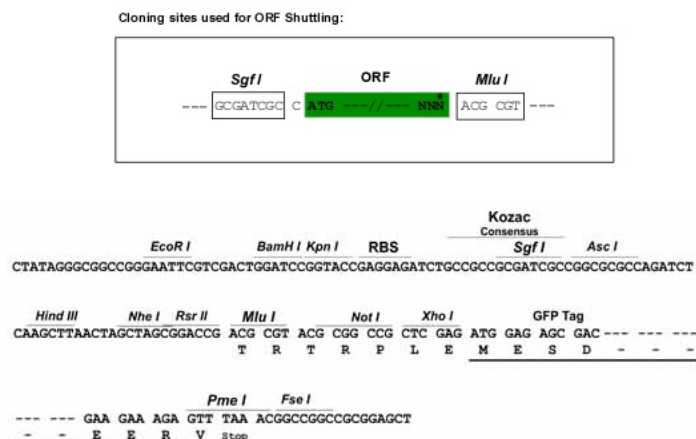
Protein Sequence:	>RG200694 representing NM_014736 Red=Cloning site Green=Tags(s)
	MVRTKADSVPGTYRKVVAARAPRKVLGSSTSATNSTSVSSRKAENKYAGGNPVCVRPTPKWQKGIGEFFR LSPKDSEKENQIPEEAGSSGLGKAKRKACPLQPDHTNDEKE

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
--------------------	-----------


[View online »](#)

Cloning Scheme:



ACCN: NM_014736

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.

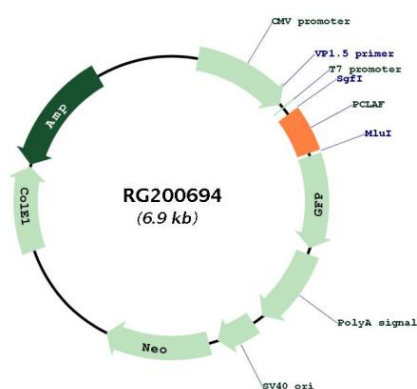
RefSeq: [NM_014736.6](#)

RefSeq Size: 1508 bp

RefSeq ORF: 336 bp

Locus ID:	9768
UniProt ID:	Q15004
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]

Product images:



Circular map for RG200694