

Product datasheet for **RG234246**

PAF1 (NM_001256826) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAF1 (NM_001256826) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAF1
Synonyms:	F23149_1; PD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234246 representing NM_001256826
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCCACCATCCAGACCCAGGCCAGCGGGAGGATGGCCACAGGTCTGGAGTGGTCTGCCAGTCA
 AGTACTGCAATAGCCTCCCTGATATCCCCTTCGACCCCAAGTTCATCACCTACCCCTTCGACCAGAACAG
 GTTCGTCCAGTACAAAGCCACTTCTTGAGAAAACAGCACAAACATGACCTCCTGACTGAGCCAGACCTG
 GGGGTACCATCGATCTCATCAATCCTGACACCTACCGCATCGACCCCAATGTTCTTCTAGATCCAGCTG
 ATGAGAACTTTTGAAGAGGAGATTACGGCCCCACCAGCTCCAAGAGATCCCAGCAGCAGCGGAAGGT
 GGTGCCATGGATGCGAAAGACAGAGTACATCTCCACTGAGTTCACCGTTATGGCATCTCCAATGAGAAG
 CCTGAGGTCAAGATTGGGGTTTCTGTGAAGCAGCAGTTTACCGAGGAAGAAATATACAAAGACAGGGATA
 GCCAGATCACAGCATTGAGAAGACTTTTGAAGATGCCAGAAAATCAATCTCACAGCATTACAGCAAACC
 CCGAGTCACACCGGTGGAGGTGATGCTGTCTTCCAGACTTTAAGATGTGGATCAATCCATGTGCTCAG
 GTGATCTTTGACTCAGACCCAGCCCCAAGGACACGAGTGGTGCAGCTGCGTTGGAGATGATGTCTCAGG
 CCATGATTAGGGCATGATGGATGAGGAAGGGAACCAAGTTTGTGGCTATTTCTGCCTGTAGAAGAGAC
 GTTGAAGAAACGAAAGCGGGACCAGGAGGAGGATGGACTATGCACCAGATGATGTGTATGACTACAAA
 ATTGCTCGGGAGTACAACGGAACGTGAAGAACAAGCTAGCAAGGGCTATGAGGAAAACACTTCTTCA
 TCTTCCGAGAGGGTGACGGGTTTACTACAATGAGTTGGAACCAGGGTCCGCTTAGTAAGCGCCGGGC
 CAAGGCTGGGGTTCAGTCAGGCACCAACGCCCTGCTTGTGGTCAAACATCGGGACATGAATGAGAAGGAA
 CTGGAAGCTCAGGAGGCACGGAAGGCCAGCTAGAAAACCACGAACCGGAGGAGGAAGAGGAAGAGGAGA
 TGGAGACAGAAGAGAAAGAGCTGGGGCTCAGTGATGCTGATTCTGAGGACGATGCCACTCTGATGAT
 GAGGACAGAGGACAGGCCAAGGTGGCAGTGACAATGATTTCAGACAGCGGCAGCAATGGGGTGGCCAGC
 GGAGCCGAGGCCACGCCGACGCCAGTCCCTTCCCGAGTGGCAGCGAGCACTCGGCCAGGAGGATGG
 CAGTGAAGCTGCAGTCTGATTCCAGTGAAGCTGATAGTGACAGTGACTGAGTCCAGGCATTACAGG
 CTGTTTCAGACACCATTATTGTGAGCAGCAAAGCACTTTTCTAGTGGTCTGTTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234246 representing NM_001256826
 Red=Cloning site Green=Tags(s)

MAPTIQTQAQREDGHRSGVVCVVKYCNLDPDIPDPKFIITYPFDQNRVQYKATSLEKQHKHDLLEPDL
 GVTIDLINPDTYRIDPNVLLDPADEKLLEEEIQAPTSSKRSQQHAKVVPWVRKTEYISTEFNRYGISNEK
 PEVKIGVSVKQFTEEEIYKDRDSQITAIKETFEDAQKSI SQHYSKPRVTPVEVMPVFPDFKMWINPCAQ
 VIFDSDPAPKDTSGAAALEMMSQAMIRGMMDEEGNQFVAYFLPVEETLKKRKRQEEEMDYAPDDVYDYK
 IAREYNWNVKNKASKGYEENYFFIFREGDGVYYNELETRVRLSKRRAKAGVQSGTNALLVVKHRDMNEKE
 LEAQEARKAQLNHEPEEEEEEMETEEKEAGGSVMLILRTMPTLMMRTEDRPKVAVTMIQTAAAMGVAS
 GAGATAAAPVPSVAASTRPRRMAVKLQLLIPVKLIVTVTESQGIQGWFRHHYCEQQSTFLVVCL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256826

ORF Size: 1455 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_001256826.2](#)

RefSeq Size: 2106 bp

RefSeq ORF: 1458 bp

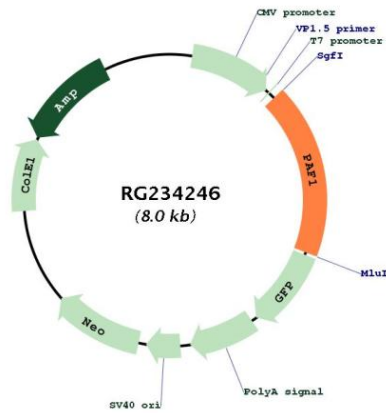
Locus ID: 54623

UniProt ID: [Q8N7H5](#)

Cytogenetics: 19q13.2

Gene Summary: This gene encodes a subunit of the polymerase associated factor (PAF1) complex. The PAF1 complex interacts with RNA polymerase II and plays a role in transcription elongation as well as histone modifications including ubiquitylation and methylation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG234246